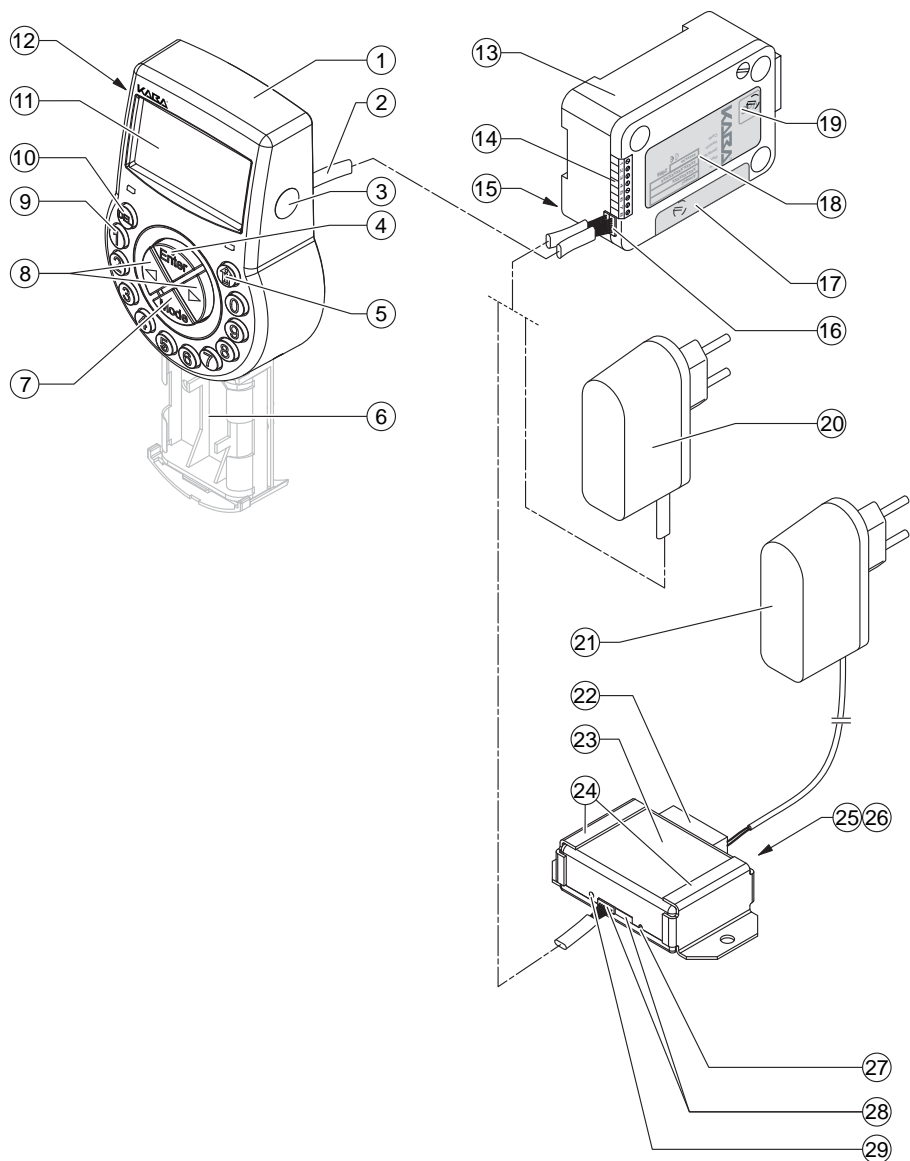# SMARTLOCK DIGITAL

Electronic Safe Lock Axessor CIT
Operating Manual

System overview - Electronic safe lock Axessor CIT

Input Unit
1   Housing
2   Connection cable to lock unit
3   Interface (USB) for PC connection
4   <ENTER> key (enter, confirm)
5   <INFO/ESC> key (activate info display or escape/go back to upper level)
6   Battery compartment
7   <MODE> key (activate Programming Mode)
8   <LEFT> and <RIGHT> key (directional keys to navigate)
9   <0>...<9> (numeric keys 0...9)
10 <DEL> key (delete, close lock)
11 LCD (liquid crystal display)
12 Buzzer

Lock
13 Lock housing
14 Terminal blocks (Inputs/Outputs)
15 Pin for cable tie holder
16 Connecting socket X1 (cable from input unit) and X2 (external power supply or cable from eBox)
17 Warranty seal
18 Type label
19 VdS-label (protects spring bolt setting screw)
20 External power supply (option)

eBox (Option)
21 Power supply eBox (accessory)
22 eBox connector
23 eBox
24 Fixation supports
25 Network status LEDs
26 RJ45 socket (network connection)
27 Reset opening
28 Connecting sockets (cable to lock unit)
29 eBox status LED

Axessor CIT

Content

1 Introduction

1.1 To the very beginning

We thank you for having opted for the **Axessor CIT electronic safe lock with network capabilities**.

The Axessor CIT electronic safe lock incorporates the latest technical advances and meets all recognized safety standards. Nevertheless, improper use of the Axessor CIT electronic safe lock may result in impairment of material assets.

To ensure a safe, proper, and economical operation of the Axessor CIT electronic safe lock, please observe and comply with all information and safety instructions contained in the present Operating Manual as well as the instructions given in the manuals for the components used in conjunction with the safe lock.

If you have questions, which are not or insufficiently answered in this Operating Manual, please contact your supplier. They will be glad to assist you.

1.2 Notes regarding the Operating Manual

1.2.1 Validity

This Operating Manual describes the **Axessor CIT electronic safe lock**.

1.2.2 Target group

This Operating Manual addresses itself to well trained personnel which is in charge with the installation, the commissioning, the operation, the servicing and the trouble shooting of the Axessor CIT electronic safe lock.

1.2.3 Limitation

This Operating Manual is restricted to the installation, commissioning, operation, servicing and trouble shooting of the Axessor CIT electronic safe lock.

The available options (AS280-INSW Installation Software and AS284-US-BW or AS284-NETW Programming Software) are only described insofar as this is necessary for proper operation of the safe lock. Further information on the optional software packages can be obtained in the respective help function of the corresponding software.

1.2.4 Supplementary documentation

This operating manual is supplemented with the Axessor CIT Quick Reference Guide.

1.2.5 Symbols used in this operating manual

The following symbols are used in this operating manual to direct your attention on particular situation, e.g. to indicate a hazardous situation, requirements which must be met, etc.:

Warning!

Indicates a hazard which can cause damage to the unit or have a serious effect on the function or use of the unit if unobserved.

Important!

Indicates important information which must be observed during the described procedure.

Note!

Indicates notes, information or pointers, which facilitate work or provide additional background information or point out specific details.

Requirement!

Indicates requirements that must be met for the execution, activation, modification or deletion of the described function. These requirements must be met before proceeding.

AS284-USBW or AS284-NETW Programming Software

Refers to the AS284-USBW or AS284-NETW Programming Software (optionally available), which allows additional settings and functions.

1.2.6 Text marking

- The character „➔" stands for „see", „refer to" or „also consult"
  Sample: for a description of Access Code Hierarchy (➔ *Code hierarchy and code formats on page 43*).
- Text appearing on the display is marked in capitals and set into quotation marks (sample: „LOCKED").
- Keys to be used are marked in bold capitals and set into angle brackets:

<DEL>	= Delete key
<NUMERIC>	= Numeric keys 0...9
<INFO/ESC>	= Information/Escape key
<ENTER>	= Enter key
<MODE>	= Mode key
<LEFT>	= Left arrow key
<RIGHT>	= Right arrow key

2 Safety and Environment

2.1 General

Every person working with the Axessor CIT must have read and understood the operating manual before carrying out any work.

Knowing and understanding the contents of the operating manual is a basic requirement for protecting the personnel against any kind of danger, to prevent faulty operation, and to operate the unit safely and correctly.

2.2 Qualification of personnel

All actions described in the present operating manual (installation, commissioning, operation, etc.) must be carried out only by well trained and sufficiently qualified personnel.

For safety and warranty reasons any action beyond the scope of this manual must be carried out only by qualified personnel authorised by the manufacturer.

It is assumed that all persons working with the Axessor CIT are familiar and comply with the appropriate regulations on work safety and the prevention of accidents.

2.3 Prohibited modifications to the unit

Modifications on the Axessor CIT electronic safe lock are explicitly not recommended, it may void warranty and impair the security and safety of the unit.

For the replacement of defective components use exclusively original accessories and spare parts available from your supplier.

2.4 Environment

Packing and consumable material (e.g. batteries) must be disposed of and/or recycled according to the local regulations.

At the end of the service life the unit and its components must be returned to the manufacturer or to a collecting point for disposal or recycling according to the local regulations.

In case of doubt please contact your supplier.

3 Product overview

3.1 Product description

The Axessor CIT electronic safe lock is an intelligent motor-bolt lock with integrated terminals used for instance to connect to an alarm centre. It features a wide range of functionality, such as a code hierarchy with User Group management, Courier Code, Dual Mode, Duress Code, Time Delay, Time Lock functions, Remote Disabling and Code Denial. Additionally there is the possibility to activate one time code operation for the Axessor CIT electronic safe lock using the special software AS280-INSW. The operation and the programming is done via the input unit.

The Axessor CIT electronic safe lock may also be configured with the **AS284-USBW or AS284-NETW Programming Software (optionally available)**. This gives access to an even enhanced functionality and allows customer-tailored solutions to almost every extent.

Unit configuration standard version
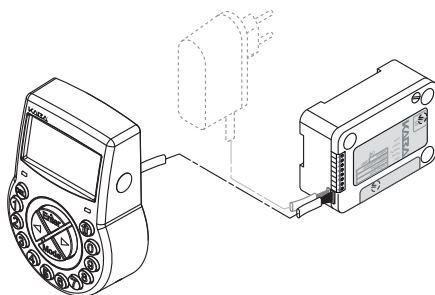
In its standard version the Axessor CIT electronic safe lock is battery powered and consist of: the **input unit**, the **lock** and the **connection cable**. The lock includes 2 inputs and 2 outputs (assignment ➔ *External connections at the lock on page 28*). Optionally, an external power supply (6VDC/500mA) can be connected to one of the lock sockets „X1" or „X2".

Only use the original Axessor CIT power supply. Even if the external power supply is connected, the batteries must remain in the battery compartment at all times. They are mainly but not exclusively used in case of a power failure. Only use **non rechargeable** AA Alkaline or AA Lithium batteries.

Unit configuration for network integration

Network integration of the Axessor CIT electronic safe lock is established via the **optionally available eBox**. The eBox is featuring 5 inputs and 5 outputs, all of them freely configurable. The inputs and the outputs as well as an external power supply (9 ... 26VDC/700 ... 200mA) are connected via the eBox connector. The eBox functions, i.e. network connection and inputs/outputs require an external power supply. In case of a power failure, the batteries inside the input unit only cover the lock functions, not the eBox functions.

To set-up and configure the Axessor CIT electronic safe lock for network integration **AS280-INSW** Installation software and the **AS284-USBW or AS284-NETW** Programming Software are required.

Safe 1 Safe 2 Safe n

Local Area Network
(10/100BaseT Ethernet)

Internet Router Firewall PC with
AS 284-NETW Programming Software Other devices
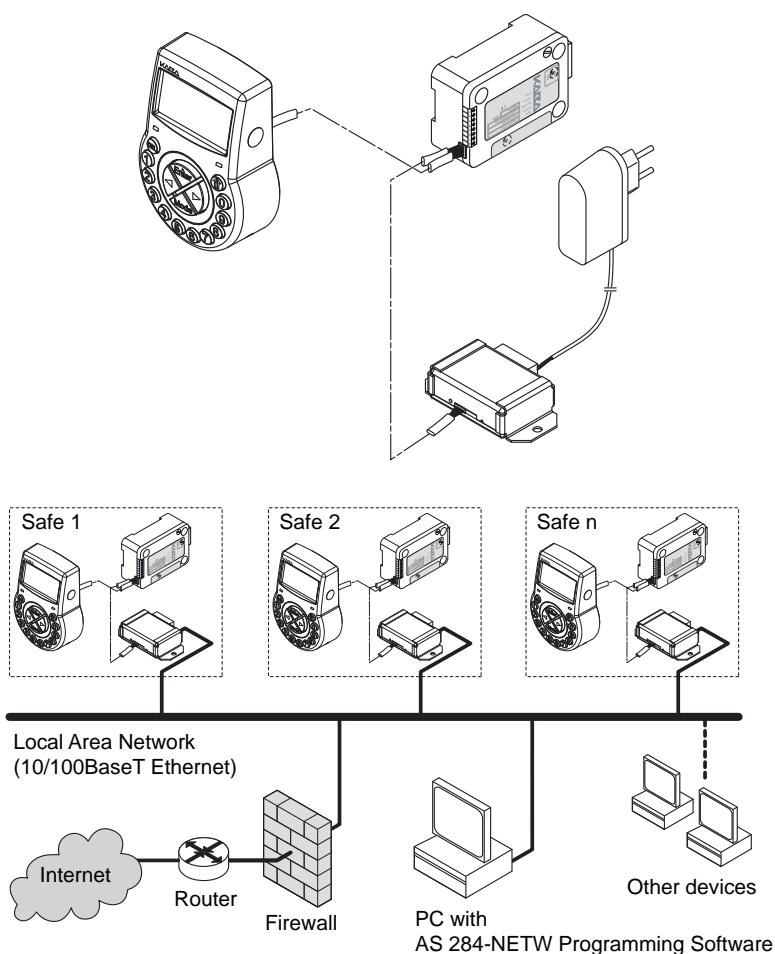
3.2 Field of application

The Axessor CIT electronic safe lock provides a wide range of functions for applications in the high security sector. They permit programming of various codes and code combinations, time related functions as well as storage and recall of a detailed event log (Audit Trail). Additionally the Axessor CIT electronic safe lock supports one time code operation.

The programming can be done via the input unit or by connecting a computer running an appropriate Programming Software to the input unit via USB cable.

This electronic safe lock is especially suitable for applications where high security, multiple users, traceability and flexibility are required.

3.3 Intended use

The Axessor CIT electronic safe lock serves to block and release the mechanical blocking point of a safe, vault, data cabinet, ATM etc. which is usually activated manually by a bolt work. The Axessor CIT electronic safe lock can be employed instead of a mechanical combination or key lock. Applicable regulations and standards have to be observed.

Enabling (lock opening) is only performed upon entry of one or several codes on the Input Unit. The opening procedure can also be made dependent on time functions and/or external signals.

The Axessor CIT electronic safe lock may only be employed and operated in accordance with its intended use – blocking and releasing the mechanical blocking points of above mentioned equipment. Any other type of application is explicitly not recommended.

The Axessor CIT electronic safe lock is designed for indoor applications (environmentally protected areas) – they are not suitable for direct exposure to environmental impact.

Operation of the equipment in the intended manner requires that all the information in this operating manual is observed.

3.4 Operating modes of the Axessor CIT

The Axessor CIT electronic safe lock offers **three different operating modes**:

– Bank mode (factory setting)
– One time code mode (OTC, ICS, Dual Mode ICS + OTC)
– Mixed mode (bank mode + One time code mode)

Bank mode

Ex factory the Axessor CIT is set to function as a conventional electronic combination lock. It unlocks after a programmed opening code has been entered. This mode is called bank mode.

One time code mode

Via a activation procedure using the activation software (e.g. AS280-INSW) the operating mode of the Axessor CIT can be switched to one of the following one time code modes: ICS (Interactive Code System), OTC (One Time Combination) or DM (Dual Mode ICS + OTC).

– **OTC**

In OTC mode the Axessor CIT accepts a generated code from the code dispatch centre (code dispatch centre with dispatch software) for a single opening. This one time code is valid for an unlimited period of time, but only for a single use. The user identifies himself at the lock with his 4 digits ID.
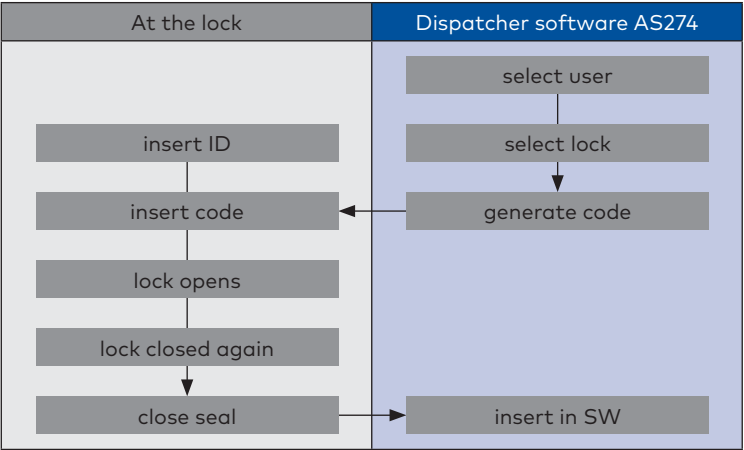
– **ICS**

The ICS mode ensures that the user is present on-site. First the user has to identify himself at the lock with his 4 digit ID like in OTC mode. Then, the lock displays a 6 digit number which must be transmitted to a dispatch centre to generate an opening code. In contrary to OTC mode this opening code is valid only for an adjustable period of time.

At the lock	Dispatcher software AS274
	select user
	select lock
Enter ID	
Display question	insert question
insert code	generate code
lock opens	
lock closed again	
close seal	insert in SW
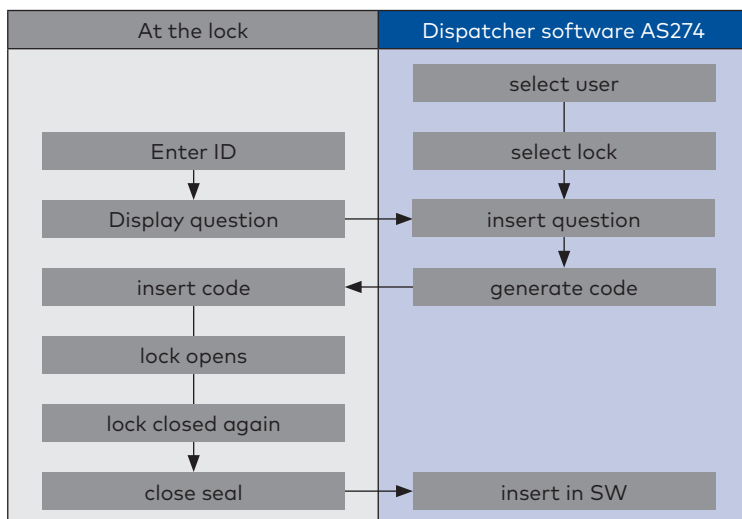
– **DM (Dual Mode)**

The Dual mode is a combination of the OTC and ICS modes. The first user opens the lock in ICS mode in which it is ensured the user is present on-site. A second user can obtain further codes in OTC mode from the dispatch centre necessary for the opening procedure.

Mixed mode

Additionally the so called mixed mode can be set via the activation software. The mixed mode combines the advantages of the bank mode and the one time code mode.

The switch between one time code mode to bank mode is done via the **<MODE>** key on the lock.

If the lock is in one time code mode "Identif" is shown in the display of the lock, which prompts the user to enter the 4 digit ID. By pressing on the **<MODE>** key the lock switches to the bank mode where the lock status is displayed (open/closed and time of day). In order to switch to the one time code mode again the **<DEL>** key must be pressed.

In mixed mode, the lock can be configured that an one time code can override a configured Non Return Time Delay NRTD.

3.5 System components

Depending on the size of the system, the number of locks and the number of operators using the management software, different components are required. Beside the lock itself, the programming software and the activation software will always be required. For the operation in interactive mode (ICS, OTC or Dual mode) additionally a dispatcher software AS274 and an APHI (Application Programming Hardware Interface) is required.

3.5.1 Axessor CIT lock

Axessor CIT consists of a motorized lock with standard dimensions and an input unit with green navigation buttons. The lock is shipped from the factory in standard mode with master code **00123456**, and functions as a conventional safe lock.

3.5.2 AS280-INSW activation software

The AS280-INSW activation software for Windows® operating systems is used to switch from standard mode to interactive mode (ICS, OTC or Dual mode) and mixed mode. Additionally the AS280-INSW Software is used for network installation.

3.5.3 AS284-USBW or AS284-NETW programming software

Basic settings for the lock, such as the language, time delays for opening, inputs and outputs, etc., can be configured with the AS284-USBW or AS284-NETW programming software for Windows® .

3.5.4 AS274 server management software

This practical software makes it possible for a large number of users to work with the Axessor CIT at the same time. Even the most sophisticated systems can be managed with this software.

3.5.5 APHI (Application Programming Hardware Interface)

The APHI external interface was developed for the integration of lock management with a customer's existing software solution. Once it has been integrated with existing software, APHI handles all tasks related to the issuance of one-time combinations.

4 Installation

4.1 Important information prior to the installation

⚠️ **Warning!**

Please observe the following:

- *Compliance to described sequence is a necessity. Improper assembly or different sequence may cause damage to the unit!*
- *To avoid any damage make sure to keep cables away from moving parts! Do not lead cables over sharp edges!*
- *Do not close the safe door until all installation steps have been completed successfully!*

❗ **Important!**

Please observe the following:

- *Removal of or damage to the warranty seal (➔ Template Lock on page 3, item 17) voids warranty!*
- *The mounting screws must be secured against loosening, e.g. by using screw cement, such as LOCTITE 243 (medium, blue).*
- *Removal of or damage to the VdS label (➔ Template Lock on page 3, item 19) voids VdS approval!*
- *The lock must not be mounted directly behind lead-throughs! Clog or secure lead-throughs correspondingly. A suitable cover plate to protect the lock is available from your supplier (52x DPUL drilling protection plate).*

4.2 Unpacking and checking the delivery

Unpack the delivery and check the content of completeness.

The **Axessor CIT delivery** includes:
- Input Unit
- Lock
- Connection cable
- Plastic bag containing installation material
- 3 batteries AA-size
- Instruction leaflet with further information and reference to home page

The **optional eBox** is delivered with:
- eBox
- Connection cable
- Plastic bag containing installation material

The **optional computer software packages** include:
- **AS280-INSW**: USB cable, 1x Installer dongle (red)
- **AS284-USBW**: USB cable, 1x Operator dongle (blue)
- **AS284-NETW**: USB cable, 2x Administrator dongle (orange), 2x Operator dongle (blue)

4.3　Installing the Input Unit

Mounting the base plate

1. Mark either the fixation bores **3 and 5** or **2 and 4** plus bore **1 (recommended)**. Also mark one of the two bores **6** (cable lead-through)
    Do so according to the illustration below or by using the template
    (→ *Template Input Unit on page 112*).
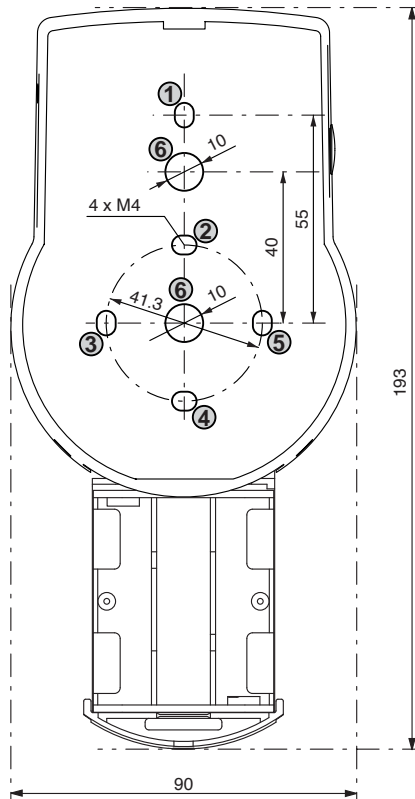
2. Drill the 3 fixation bores Ø3.2 x 14 mm and the cable lead-through bore Ø10 mm. Remove burrs. Tap M4 threads into the 3 fixation bores.

3. Remove the 3 screws on the bottom of the cover (1 at the battery compartment, 2 at the housing). Lift-off the cover from the base plate, then carefully remove the battery compartment.

4. Fix the base plate with the enclosed special M4x12 flat-head screws to the door. The Input unit must be fixed to the door with at least two oppositely positioned screws. The third screw (pos. 1) is recommended.

Connecting the cables

5. Carefully lead the enclosed connection cable through the Ø10mm bore in the door and carefully draw it towards the lock chamber.

6. Mount battery compartment in place. Then, carefully lead the battery cable through strain relief guides of the battery compartment and the base plate.
   Make sure not to squeeze the cable!

   Finally check for free movability of the battery compartment.
   Make sure the spiral cable lays flat when moving the battery compartment (i.e. the cable does not move in other directions when extended and compressed).

7. Position the cover on top of the base plate in an angle >90°.

8. Plug the battery cable into the 2 pole connector terminal and the connection cable into the 6 pole connector terminal.
Check correct position of the plugs before connecting them. Do not use excessive force to plug-in, but make sure that proper connection is given.

Battery   Lock
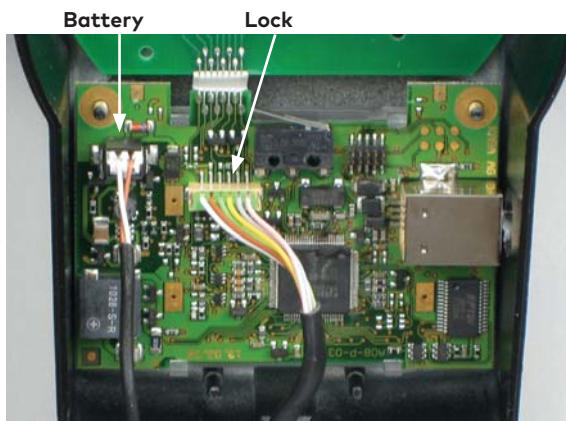
Mounting the cover

9. Engage the cover at notch on top of base plate.

10. Slowly flip down the cover onto the base plate while carefully pulling the connection cable towards the lock chamber; leave some spare loop. **Make sure that cables are not squeezed.** Check battery compartment for free movability: carefully push the battery compartment into place, then slide it out again.

11. Fix the cover on the base plate using two M3x6 countersink screws.

12. Check battery compartment for proper movability: carefully push the battery compartment into place, then slide it out again
    Do not insert the batteries and do not fix the battery compartment screw yet.

4.4   Installing the lock

Mounting the lock

1. Mark the 3 fixation bores (A) according to the illustration below or by using the template (➔ *Template Lock on page 113*).
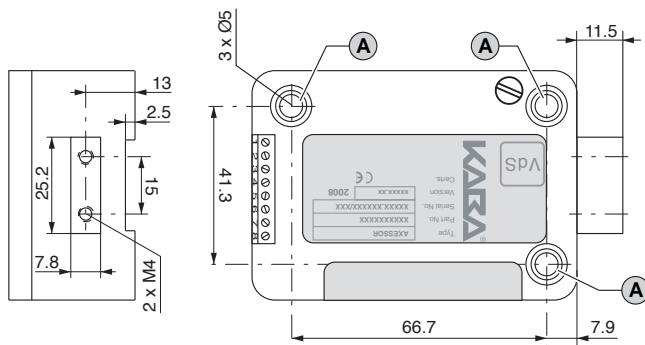
2. Drill the bores Ø5mm. Remove the burrs and tap M6 threads into the bores.

3. Mount the lock with the 3 enclosed M6x10 screws (equivalent Inch screws may be used instead).
   Make sure that the screw heads rest on the base of the shouldered bore! Make sure to keep the space underneath the lock free for a re-locker system or the connection cable!

4. If the lock is to be operated in spring bolt function, remove the retainer screw (B) underneath the VdS label.
   Be aware, that this operating mode voids VdS approval!

5. If needed, use the two M4 threads at the front end of the lock bolt to attach an extension.
   Observe the maximum moving force of 5N in both directions.
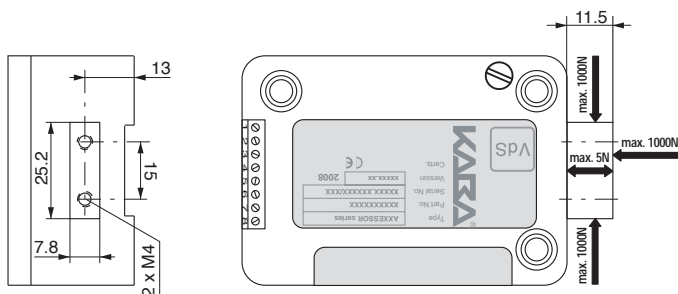
Connecting the cable

6. Verify correct position of the connector, then carefully plug connection cable into one of the lock sockets „X1" or „X2".
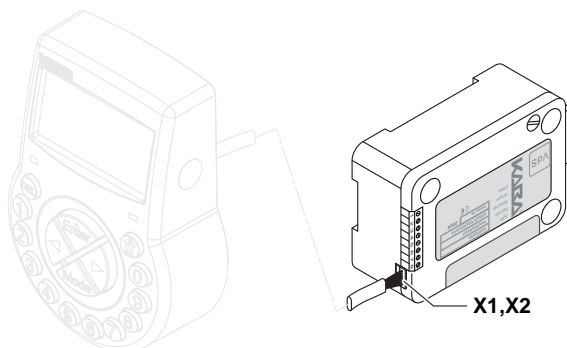
7. Secure the cable with the cable tie and carefully fix any excess cable.
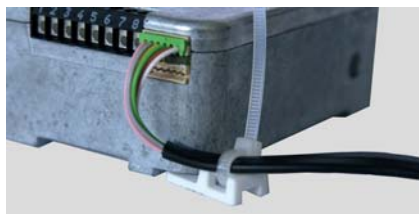
4.5   Perform wiring check after lock installation

✔ **Requirement**

To perform wiring check the door must be open.

1. Carefully slide out the battery compartment until it comes to a stop.

2. Insert the 3 enclosed batteries (3x AA mignon, Alkaline type) according to the markings in receptacles – **observe polarity!**
    As soon as the batteries are inserted a test routine is initiated. The following displays appear successively (version display may vary) and the „BEEP signal" sounds:
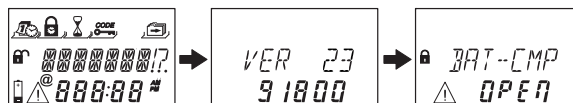
3. Close battery compartment. Wait until the error message „BAT-CMP OPEN" reappears again.
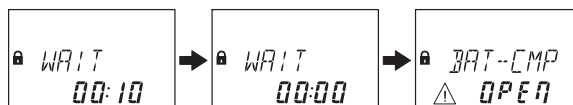
4. Confirm the error message by entering the current Master Code (default: **00123456**) with the **<NUMERIC>** keys, then press the **<ENTER>** key. The lock opens and closes again after approx. 6 seconds.
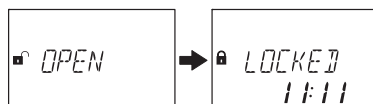
5. Fix battery compartment with hexagon countersink screw.

❗ **Important!**
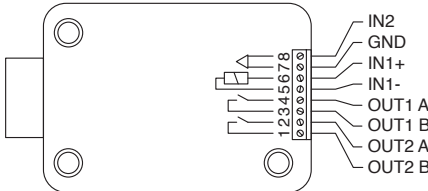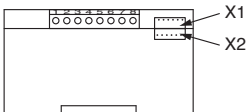
If during wiring test the error message „LINE OFF" continuously appears, the connection cable is either connected incorrectly or it was damaged during installation. Do not continue installation and proceed as follows:
• Check connection cable for correct connection or damage. Disconnect connection cable and replace if necessary.
• Reconnect connection cable as described in sections ➜ *Installing the Input Unit on page 20 and Installing the lock on page 25.*
• Check whether new batteries were inserted. If not, insert new batteries.

If another error message appeared please refer to section ➜ *Error messages on page 101.*

4.6   External connections at the lock

If desired, connect additional external signals at the lock terminal block. Refer to the table and the wiring examples below.

Terminal	Description	Capacity / Remarks
	 Note: Function and polarity of the Inputs and Outputs can be changed with optional AS284-USBW or AS284-NETW Programming Software.	
1 / 2	**Output 2** standard: bolt or motor open	30 VDC/2A, 50 VAC/0.5A with resistive load. Relay with potential-free working contacts (NO - normally open).
3 / 4	**Output 1** standard: Duress alarm	
5(−) / 6(+)	**Input 1** standard: not assigned optional: remote disabling, or controlled disabling	12 VDC (min. 20mA)
7 / 8	**Input 2** standard: not assigned optional: Programmable with AS284-USBW or AS284-NETW Programming Software	**Do not apply any voltage – potential free contact only!** Recommendation: Suitable micro switch with gold-plated contacts for 12 VDC/50mA (e.g. „DB series" by Cherry).
Socket	**Description**	**Capacity / Remarks**
X1, X2	Connection to input unit or to eBox or Connection of power supply	Enclosed connection cable must be used. Use only the original Axessor power supply that is available as optional accessory

Axessor CIT

Example of wiring „Door Contact"

Example of wiring several locks in a way that only one lock may be opened at the same time

The following settings must be made with the AS284-USBW or AS284-NETW Programming Software in addition:

Output 2= bolt or motor open

Input 1= Controlled disabling
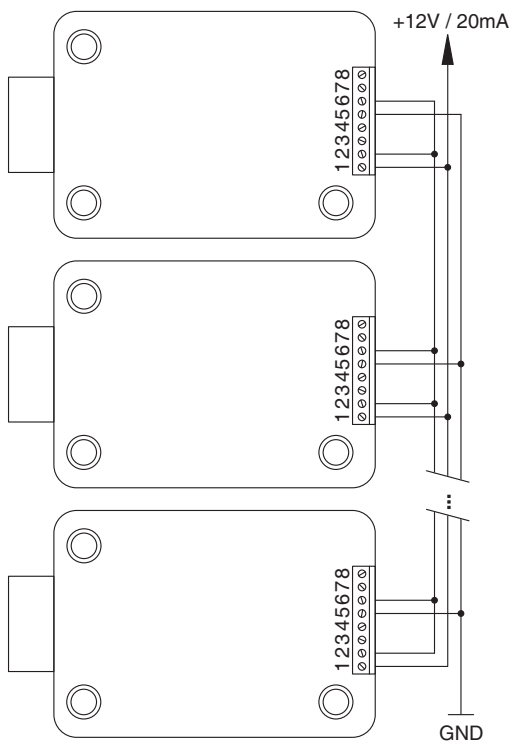
4.7 Installing the eBox

Mounting the eBox

1. Mark the 2 fixation bores (A) according to the illustration below or by using the template (➔ *Template eBox on page 114*).
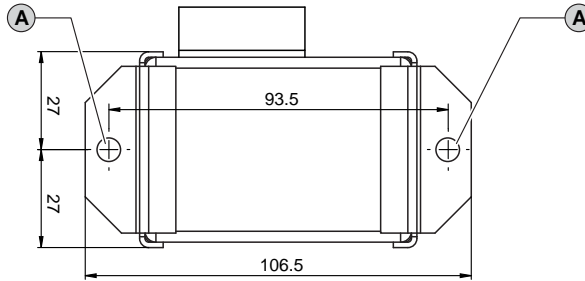
2. Drill fixation bores Ø5mm. Remove the burrs and tap M6 threads into the bores.
3. Mount eBox with the 2 enclosed M6x10 socket screws (equivalent Inch screws may be used instead).

Connect cable
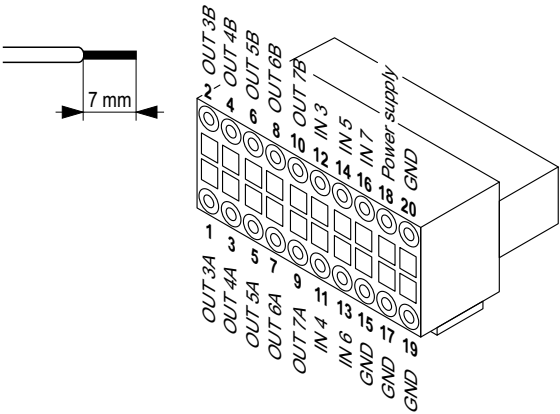
4. Verify correct position of the connector, then carefully plug enclosed eBox connection cable into one of the eBox sockets and one of the lock sockets „X1" or „X2".
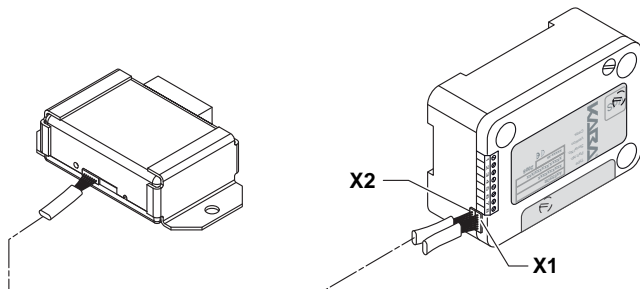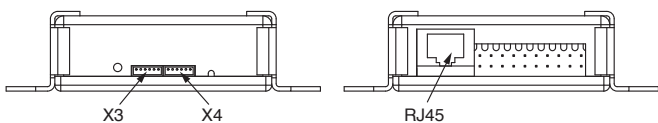
4.8   External connections at the eBox

The eBox provides 5 additional inputs and outputs, two bus sockets and a RJ45 socket. Refer to the table and the wiring example below to connect the input and output signals as well as the eBox and the network cable.

The eBox functions are available only if it is connected to an Axessor CIT lock, and if the eBox is connected to a power supply. In case of power failure, the batteries in the input unit will backup the lock functions, but not the eBox functions.

Terminal	Description	Capacity / Remarks
Note: the function of the Inputs and Outputs can be assigned with the optional AS284-USBW or AS284-NETW Programming Software.		
18 / 20	**Power supply**	9 VDC ... 26 VDC / 700 ... 200 mA
1 / 2	**Output 3** standard: not assigned	Contact voltage: 24 VAC
3 / 4	**Output 4** standard: not assigned	Cont. Output Load current: 0.4 A at 25°C
5 / 6	**Output 5** standard: not assigned	0.3 A at 50 °C
7 / 8	**Output 6** standard: not assigned	Internal Output impedance: max. 2 Ohms
9 / 10	**Output 7** fix set for „external power"	Relay with potential-free working contacts (NO - normally open).

12 / GND	**Input 3** standard: not assigned.	Internal Input impedance: min. 4 kOhm
11 / GND	**Input 4** standard: not assigned	Input switch impedance: max. 10 kOhm
14 / GND	**Input 5** standard: not assigned	
13 / GND	**Input 6** standard: not assigned	12 ... 24 VDC (min. 5mA)
16 / GND	**Input 7** standard: not assigned	
Socket	**Description**	**Capacity / Remarks**
X3, X4	Connection to lock (only one lock can be connected to an eBox).	Enclosed connection cable must be used.
RJ45	Connection to Local Area Network	10/100Base T Ethernet Min. CAT5 cable required. Connecting network devices must have ground connection.

Wiring diagram eBox
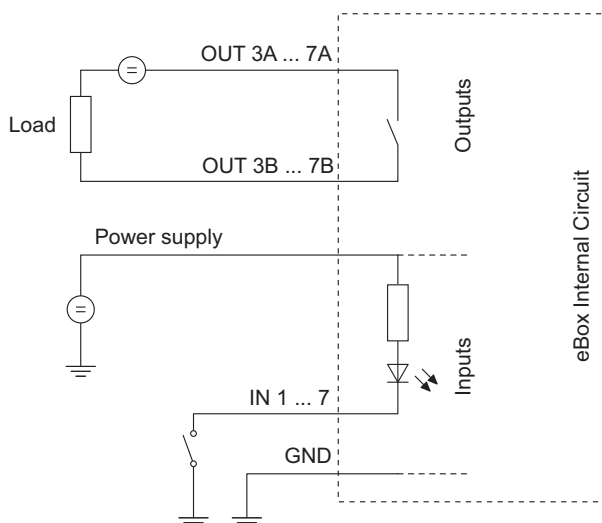
4.9 Perform wiring check after eBox installation

After having finished the installation, the Axessor CIT electronic safe lock is commissioned as follows:

1. Perform wiring check (➔ *Perform wiring check after lock installation on page 27*).

2. If eBox is connected after start initialization period, the eBox LED must blink green twice every 2 seconds.

5   Operating

5.1   Operating and display elements of the Input Unit
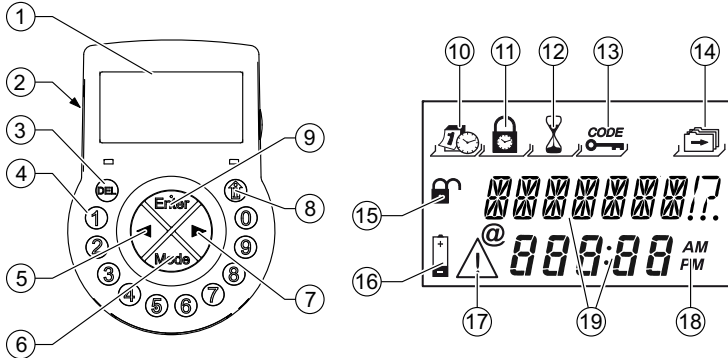
1   LC-Display
2   Buzzer
3   **<DEL>** (delete, close lock)
4   **<NUMERIC>** keys (numeric keys 0…9)
5   **<LEFT>** key (directional key to navigate)
6   **<MODE>** key (activate Programming Mode)
7   **<RIGHT>** key (directional key to navigate)
8   **<INFO/ESC>** key (activate info display or escape/go back to upper level)
9   **<ENTER>** key (enter, confirm)
10   Menu TIME (to set time/date)
11   Menu PROG (to program Locking Periods)
12   Menu DELAY (to program Time Delays)
13   Menu CODE (to modify codes)
14   Menu MISC (to access additional settings)
15   Symbol „Lock open" (unlocked) or „Lock closed" (locked)
16   Symbol „Replace batteries"
17   Symbol „Warning"
18   Time format (12/24 Hrs.)
19   Text lines

5.2 Programming mode

The Programming Mode is used to alter factory set parameters and to change settings, codes etc. Depending on the programming level, different codes are required.

5.3 Operating modes

Notes on the different operating modes can be found in chapter *Operating modes of the Axessor CIT on page 15.*

5.4 Immediate Time Lock

This function permits activation of a Locking Period with immediate action. Upon closing the lock **cannot** be opened for the programmed duration.

Example: For shorter business hours due to public holiday, the time until beginning of the regular Locking Period can be bridged.

1. Press any key to wake up the display (if necessary). The lock status appears (e.g. „LOCKED").

2. Press the **<MODE>** key and key-in a valid user code (e.g. 12104453) using the **<NUMERIC>** keys (an asterisks appears for every digit entered).
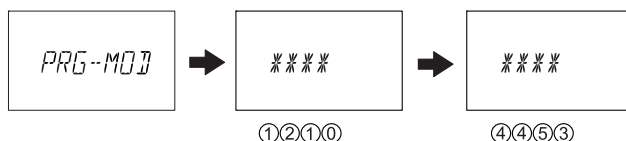
Press the **<ENTER>** key to confirm the Code. The lock is in the Programming mode for Immediate Time lock.

3. Press **<ENTER>** twice
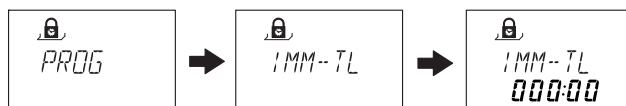
3. Use the **<LEFT>** or **<RIGHT>** key to set the duration in hours:minutes. The Immediate Time Lock should be active after exiting this dialogue.

4. Press the **<ENTER>** key and select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm the settings.

> **Notes!**
> • *Maximum duration is 144 hours.*
> • *Overwriting with „000:00" will deactivate the Immediate Time Lock.*
> • *Default, the Master can override the Immediate Time Lock. This can be disabled by the AS284-USBW or AS284-NETW.*
> • *The Immediate Time Lock is not related to Time/Date. Therefore, by changing Time/Date setting the Immediate Time Lock cannot be bypassed.*

5.5   Information menu

The information menu is accessible by pressing the **<INFO/ESC>** key while the display shows "OPEN" or "LOCKED". By repetitive pressing the **<INFO/ESC>** key or the arrow keys the individual information of the information menu can be queried in sequence:

- Display language
- Battery condition (in % of the nominal capacity)
- Last closing code (of one time code mode (OTM) is active)
- Opening counter (if bank mode or mixed mode is active)
- Serial number
- Wait 000:00 (if set so)

i	**Notes!** • *The display language can be changed within the information menu at any time by pressing the <ENTER> key (even if the lock is closed).* • *The information menu is quitted automatically after 10 seconds without action or can be quitted manually be pressing the <DEL> key.*

5.6 Buzzer signals

Buzzer signal	Display	Cause
1 short beep		Key stroke
1 short, low-frequency beep	REFUSED	Action refused
1 short beep every 60 seconds	WAIT	Time Delay or Duress Time Delay active
3 short beeps every 60 seconds	CONF	Confirmation Window active (waiting for confirmation code after elapse of Time Delay)
10 short beeps every 10 seconds	BAT-CMP OPEN	Battery compartment has been opened
10 short beeps every 30 seconds	OPEN	Lock open

AS284-USBW or AS284-NETW Programming Software
• *Buzzer signal during „OPEN" (lock open), during „WAIT" (Time delay) and during „CONF" (Confirmation window) can be deactivated.*
• *Buzzer volume may be set to „high", „low" or „off".*

5.7 Status messages

During operation, the following status messages can be shown. Status messages in bank mode (standard mode) are indicated with "S"; status messages in interactive mode (OTM) with "I":

5.7.1 Locked (mode S)

The lock is mechanically closed – the current time is displayed. It may be opened by entering a valid code.

5.7.2 Locked (mode I)

The lock is mechanically closed and awaits the identification of a user (entry of a 4 digit user ID).

The current time may be displayed (configurable with AS284-USBW or AS284-NETW).

5.7.3   Open (modes S and I)

⌂ OPEN

The lock is mechanically open. The bolt work or the safe door can be opened during a set period of time (factory default Mode S: 6 seconds, mode I: 120 seconds). In mode I "OPEN" is flashing during this time. If the bolt work is not opened, the lock automatically closes after the set bolt open time has elapsed.

5.7.4   Immediate time lock (modes S and I)

🔒 IMM-TL
    1:42 PM
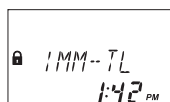
The lock is blocked by the Immediate time lock function and cannot be opened – the current time is displayed. It may only be opened by entering a valid code once the set Locking Period has elapsed.

5.7.5   Weekly time lock (modes S and I)

🔒 TL LOCK
    1:42 PM
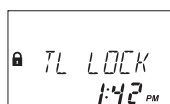
The lock is in a Weekly Locking Period and cannot be opened – the current time is displayed. It may only be opened by entering a valid code once the set Locking Period has elapsed.

5.7.6   Holiday time lock (modes S and I)
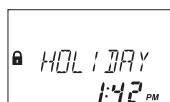
🔒 HOLIDAY
    1:42 PM

The lock is in a Holiday Locking Period and cannot be opened – the current time is displayed. It may only be opened by entering a valid code once the set Locking Period has elapsed.

5.7.7   Ready for entry of combination (mode I)

🔒 IDENTIF

The lock is ready for operation and awaits the identification of a user (entry of a 4 digit user ID).

5.7.8   Entry of the opening combination (mode I - OTC)

⧖
🔒
    2:30
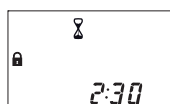
As soon as a user has identified himself at the lock by entering a 4 digit ID, the adjustable confirmation time window for entering the opening combination starts to elapse. The remaining time is indicated on the display.

5.7.9   Entry of the opening combination (mode I - ICS)

⧖
🔒 654123
    2:30
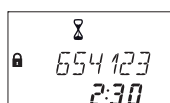
Depending on which user has identified himself at the lock, the time window for the entry of the combination is displayed together with the ICS-mode-specific request combination.

5.7.10 The close seal is displayed (mode I)

🔒 123654
cloSd
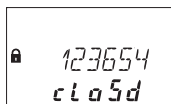
After the Axessor CIT has been locked or the time window for entry of the combination has elapsed, the 6 digit close seal will appear in the display. This close seal must be forwarded to the dispatch centre after the lock has been closed.

5.7.11 Post-access delay (modes S and I)

🔒 DENIED
⚠
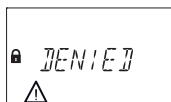
The lock is currently waiting for the post-access time delay to expire and can not be opened. The **<INFO/ESC>** key can be used to call up the battery status and the last-used lock seal.

5.7.12 Opening time delay (mode I)

⧖
🔒 WAIT
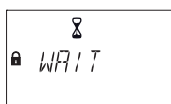
In interactive mode, the waiting period is not displayed during an opening time delay (unlike the indication given in standard mode, see below).

5.7.13 Opening time delay (mode S)

🔒 WAIT
01:42
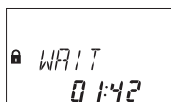
After entering a valid code to open the lock the set Time Delay starts counting – the remaining time is displayed. A „BEEP signal" is emitted every 60 seconds. Once the counter has elapsed, the end of the Time Delay is indicated with another „BEEP signal".

ℹ️ **Notes!**
- *The duration of a Time Delay may vary between the code groups.*
- *The Time Delay may be set to „count down", „count up" or „no count (00:00)"*
- *If the <DEL> key is pressed, the Time Delay is reset and the lock automatically returns to „LOCKED" status.*
- *The Courier Code overrides a Time Delay if not defined differently.*
- *An input may be defined to skip time delay.*

5.7.14   Confirmation after elapse of Time Delay (mode S)
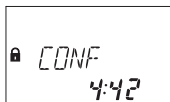
Once the Time Delay has elapsed, a valid code must be entered again as confirmation, within a set period of time. The remaining time window to enter the code is displayed. The „CONF" display is also shown after entry of the Courier Code, if „Courier does not open but skips Time Delay" is set. The opening procedure must then start during count-down.

A „BEEP signal" is emitted every 60 seconds. If the code is not confirmed, the lock automatically returns to locked status once the counter reached 00:00.

Notes!
- *If the <DEL> key is pressed, the lock automatically returns to „LOCKED" status.*
- *If Dual Mode is activated proceed as follows in the confirmation window: Repeat two codes for confirmation, whereby the sequence is irrelevant. The codes must comply to the settings made with the AS284-USBW or AS284-NETW Programming Software: „any code", „same code group", „different code group".*

5.7.15   Enter second code - Dual Mode activated (mode S)

If Dual Mode is activated, 2 codes must be entered to open the lock. This message prompts you to enter the second code.

Notes!
Master Code and Courier Code override the Dual Mode in bank mode (standard mode) – the lock can be opened without any additional code if not defined differently.

5.7.16 Penalty after wrong trials (mode S and I)

```
🔒 PENALTY
      4:58
```
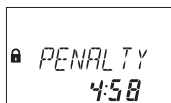
A time penalty of 5 minutes is initiated after the fourth consecutive incorrect code is entered upon opening or accessing programming mode. During this period no code entries are accepted, neither bypassing nor cancellation is possible. The remaining penalty time is displayed.

5.7.17 Remote disabling (mode S and I)

```
🔒 RMT-DIS
```
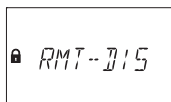
Local opening of the lock can be disabled by a remote disabling signal either by a constant input signal, or via the AS284-USBW or AS284-NETW Programming Software or by entering the user code 48 if set so. While Remote Disabling is active this message is shown while the lock is closed.

> **Notes!**
> *In case of failure of input signal device (e.g. Alarming Interface broken or without power) the Master Code can override the Remote disabling preventing a total lock out upon malfunction of the external signal.*

5.7.18 Remote enabling (mode S and I)

```
🔒 RMT-DIS
```
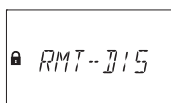
An external signal can be used to enable the lock to enter a code for opening. When remote enabling is in effect, this message will be displayed while the code input window is open. Remote enabling takes place via an input impulse of at least 1 second.

> **Notes!**
> *In case of failure of input signal device (e.g. Alarming Interface broken or without power) the Master Code can override the remotely not enabled state preventing a total lock out upon malfunction of the external signal.*

5.7.19 Identification with denied code / Non Return Time Delay engaged (mode S)

```
🔒 DENIED
```

Codes can be denied with a superior code, i.e. declared as invalid until possible further re-permission. Identification with a denied code is answered with this message. The selected function is not executed, the lock condition remains unchanged. This message is also displayed upon attempting to open the lock with a Manager Code or the Master Code if the respective Code type is set to „cannot open".

The message „DENIED" is also shown as long as the programmed Non Return Time Delay refuses opening of the lock.

ℹ️ **Notes!**

In mixed mode the AS284-USBW or AS284-NETW can configure that an one time code can override a NRTD.

5.7.20 The battery compartment has been opened (mode S and I)

🔒 BAT-CMP
⚠ OPEN

If the battery compartment, which also serves as a dismounting protection for the Input Unit, has been opened. This message appears when

• lock is open while battery compartment is open, and when

• lock is locked and the battery compartment has been opened and closed again.

The message can only be deleted by entering a valid Master Code or Manager Code. In mode I a so called battery code is required.

5.7.21 Connected with Programming Software (mode S and I)

ONLINE

While the lock is connected to a computer via **USB** cable and a data exchange with the AS284-USBW or AS284-NETW Programming Software (optionally available) is in progress, the opposite display is shown. The Input Unit is not operative, all keys are disabled.

@

While the lock is connected to a computer via **LAN** and a data exchange with the AS284-USBW or AS284-NETW Programming Software (optionally available) is in progress, the opposite display is shown. The Input Unit is not operative, all keys are disabled.

5.7.22 External power supply available (mode S and I)

.

A dot is shown in the display if external power on the lock or on the eBox is available. This status is updated every full hour.

5.8   Access Codes

5.8.1   Code hierarchy and code formats

For operation and programming a Master Code, Manager Codes, User Codes and a Courier Code are available. Each code consists of an 8 digit number composed of an **ID** (identification) **and** a **PIN** (Personal Identification Number).

- The ID (2 digits) is predefined and identifies the code type.
- The PIN (remaining 6 digits) can be individually chosen.

5.8.2   Code types

The factory set Master Code 0 0 1 2 3 4 5 6 is identical on all locks of this type, and therefore not suitable for daily use.
Upon initialization and testing the Master Code must be changed to an individually selected code.

MASTER 00
0 0 x x x x x x

MANAGER 10	MANAGER 20	MANAGER 30	MANAGER 40
1 0 x x x x x x	2 0 x x x x x x	3 0 x x x x x x	4 0 x x x x x x
USER 11	USER 21	USER 31	USER 41
1 1 x x x x x x	2 1 x x x x x x	3 1 x x x x x x	4 1 x x x x x x
USER 12	USER 22	USER 32	USER 42
1 2 x x x x x x	2 2 x x x x x x	3 2 x x x x x x	4 2 x x x x x x
USER 13	USER 23	USER 33	USER 43
1 3 x x x x x x	2 3 x x x x x x	3 3 x x x x x x	4 3 x x x x x x
USER 14	USER 24	USER 34	USER 44
1 4 x x x x x x	2 4 x x x x x x	3 4 x x x x x x	4 4 x x x x x x
USER 15	USER 25	USER 35	USER 45
1 5 x x x x x x	2 5 x x x x x x	3 5 x x x x x x	4 5 x x x x x x
USER 16	USER 16	USER 16	USER 46
1 6 x x x x x x	2 6 x x x x x x	3 6 x x x x x x	4 6 x x x x x x
USER 17	USER 17	USER 17	USER 47
1 7 x x x x x x	2 7 x x x x x x	3 7 x x x x x x	4 7 x x x x x x
USER 18	USER 28	USER 38	USER48
1 8 x x x x x x	2 8 x x x x x x	3 8 x x x x x x	4 8 x x x x x x
USER 19	USER 29	USER 39	USER 49
1 9 x x x x x x	2 9 x x x x x x	3 9 x x x x x x	4 9 x x x x x x

User Group 21 / User Group 2 / User Group 3 / User Group 4

COURIER 90
9 0 x x x x x x

> **Important!**
> *During commissioning and start-up of the unit all codes must be personalized. Never use any simple combination of numbers (e.g. 11223344, 12345678) or personal data (e.g. birthdays). For safety reasons, codes should be altered at regular intervals!*

5.8.2.1 Master Code

The Master Code is the highest code within the code hierarchy. It **cannot** be deleted.

Factory setting: 0 0 1 2 3 4 5 6

Functions: Opening the lock (even alone in Dual Mode)

Alteration of all codes

Accessing full range of function

> **AS284-USBW or AS284-NETW Programming Software**
> • *The Master Codes can be defined as „cannot open the lock". Thereupon, entering the Master Code for lock opening is confirmed with the message „DENIED" – the lock does not open.*
> • *The Master Codes can be defined as: „can bypass time lock". If set so, the Master code can open the lock even when in time lock period.*
> • *The Master Codes can be defined as: „can bypass Immediate time lock". If set so, the Master code can reset the immediate time lock even during an immediate time lock period.*
> • *The master code can override a Remote disabled signal or the disabled state while a Remote enabled signal is missing (prevention of total lock out).*

> **Warning!**
> *Lost codes can only be deleted and redefined with a higher-level code. Please take note, that a lost Master Code can neither be located nor restored under any circumstances. There is <u>no</u> so called „Override code" or „Super code"!*

5.8.2.2 Manager Codes

4 Manager Codes (Manager Code ID 10, 20, 30 and 40) are available. Each Manager Code can administrate a group of User Codes.

Factory setting: no code assigned

Functions: Opening the lock

Alteration of own Code

Activation, deletion and alteration of subordinated User Codes

Denial and permission of subordinated User Group

Alteration of subordinated Time Delay and Confirmation Window

Activation of Immediate Time Lock function

AS284-USBW or AS284-NETW Programming Software
- *The Manager Codes can be defined as „cannot open the lock“. Thereupon, entering a Manager Code for lock opening is confirmed with the message „DENIED“ – the lock does not open.*
- *The Manager Codes can be defined as: „cannot activate Immediate Time Lock“, „cannot change Time Delays“ and/or „cannot change Confirmation Window“. When entering the Programming Mode with a so defined Manager Code the corresponding submenus are not accessible any longer.*
- *The Manager Codes can be defined as: „Dual Manager for Programming Mode“. If set so, 2 Manager Codes are necessary to enter the Programming Mode.*
- *The Manager Codes can be defined as: „Manager Cross Access User Codes“. If set so, the Manager can alter also Codes of the other User Groups.*

5.8.2.3   User Codes

A total of 36 User Codes in 4 groups of up to 9 each can be defined. User Codes can be defined even if no Manager Code is active.

Factory setting:	no code assigned
Functions:	Opening the lock
	Alteration of respective User Code

AS284-USBW or AS284-NETW Programming Software
- *The User Codes can be defined as: „can activate Immediate Time Lock“. If set so, the submenu „IMM-TL“ is accessible for the users.*
- *User 45 and 46 can be defined to activate a relay output. If set so, user 45 and 46 can't be used to open the lock.*
- *User 47 can be defined as time code. If set so, the user has access to all time functions e.g. time, date, weekly and holiday programs. The time code can't be used to open the lock.*
- *Users 48 and 49 can be defined for lock disabling/enabling. If set so, entering User Code 48 disables lock opening and entering User Code 49 enables lock opening.*
- *User 41 can be defined as audit code. If set so, the user can get the audit of the lock with the AS284-USBW or AS284-NETW software. The audit code can't be used to open the lock and the message „DENIED“ will be displayed (the user code 41 has to be entered within the software).*
- *User 42 can be defined as activation code. If set so, the user can activate the lock for importing either into the OTM application AS274 or into the AS284-NETW software. The activation code can't be used to open the lock and the message „DENIED“ will be displayed (the user code 42 has to be entered within the software AS280-INSW).*

5.8.2.4 Courier Code

1 Courier Code (Courier Code ID 90) can be provided to personnel filling/ emptying secured containers (CIT - Cash-In-Transit Services) without any programmed Time Delays being of relevance.

Factory setting: no code assigned

Functions: Opening the lock (even alone in Dual Mode) by bypassing Time Delay

                Alteration of Courier Code

AS284-USBW or AS284-NETW Programming Software
*The Courier Code can be defined as: „Courier does not Open but Skips Delay".
Thereupon, entering the Courier Code for lock opening skips the Time Delay
for the next opening. The Confirmation window count-down indicates for how
long this condition is given (opening procedure must start during count-down).*

5.8.3 Shelve Function

The shelve function is only available if the programming mode is accessed with Master Code. With the shelve function you reset all codes, parameters and data (e.g Locking Periods, Time Delays etc.) to factory default settings.

Audit Trail, opening counter and Time/Date settings remain unchanged.

Note!
After resetting the lock is in bank mode again, even if the lock has been activated in a one time code mode.

5.8.4 Duress Code

If the lock is connected to an external alarm system, a silent duress alarm (unnoticeable for the aggressor) can be initiated by the operator. The way to trigger a duress alarm depends on the current operation mode.

5.8.4.1 Duress Code in bank mode

To trigger a duress alarm in bank mode, the **value 1 has to be added or deducted to the last digit of the code as standard**. Duress alarms can be initiated with all code types at any time.

Important: with the Programming Software AS284-USBW or AS284-NETW the format of the Duress Code can be modified and may differ from the rule mentioned above.

Example:	Code		Duress Code
	0012345**6**	---->	0012345**7** or 0012345**5**
	0000000**0**	---->	0000000**1** or 0000000**9**
	0099999**9**	---->	0099999**0** or 0099999**8**

Entering the Duress Code for lock opening starts the set Duress Time Delay.

Requirement!

Duress Codes are recognized only if this function is enabled by the Master Code (➜ Activating/Deactivating Duress Code function - Submenu DURESS bank on page 93).

Note!

After entering a Duress Code, the duress status is maintained until the Duress Time Delay has elapsed and the lock has been opened and one more non-duress code has been entered!

AS284-USBW or AS284-NETW Programming Software

• *The initiation of a duress alarm is configurable from +/-1 to +/-9.*

• *Four Duress Time Delays are available:*
  • *the first is valid for Master, Manager 1 and Users 11 ... 19*
  • *the second for Manager 2 and Users 21 ... 29*
  • *the third for Manager 3 and Users 31 ... 39*
  • *the fourth for Manager 4 and Users 41 ... 49.*

• *The Duress Time Delays can be set independent (longer or shorter) of the normal Time Delays.*

• *The counting of the Duress Time Delay is the same as set for the Time Delay: „count up", count down" or „no-count".*

5.8.4.2 Duress Code in interactive mode

To trigger a duress alarm in interactive mode, confirm the entered code **by pressing the <ENTER> key once**. Duress alarms can be initiated with all code types at any time.

Triggering a duress alarm for lock opening starts the set Duress Time Delay.

Note!

In interactive mode the Duress Code function can not be deactivated.

AS284-USBW or AS284-NETW Programming Software

• *The Duress Time Delays can be set independent (longer or shorter) of the normal Time Delays.*

5.9 Code entry

In bank mode codes are entered in 2 groups of 4 digits. To enter a code (to open the lock or to enter the Programming mode) proceed as follows:

1. Press any key to wake up the display (if necessary). The lock status appears (e.g. „LOCKED").

2. Key-in the Code (e.g. 11123456) using the **<NUMERIC>** keys (an asterisks appears for every digit entered).
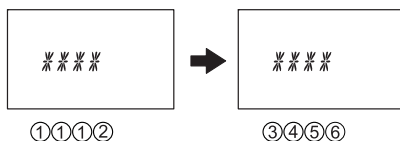
3. Press the **<ENTER>** key to confirm the Code.

Note!

During code entry a possible observer can be diverted. Only the first 7 and the last entered digit will be considered as code.

- *Enter your code as usual (at least the first 7 digits) and keep on adding any combination as desired.*
- *Enter the last digit of your code and press the* **<ENTER>** *key.*
  (Example: **0012345***8921031...25***6<ENTER>***)*

5.10   Opening procedure

5.10.1   Opening procedure in bank mode

The Display switches off automatically after 1 minute without any key be-ing pressed.

1. Press any key to wake up the display (if necessary). The lock status ap-pears.

```
 🔒  LOCKED
         12:22
```

2. Key-in the Code (e.g. 11123456) using the **<NUMERIC>** keys (an asterisk appears for every digit entered). Press the **<ENTER>** key to confirm the Code.

```
 ✶✶✶✶        ➡        ✶✶✶✶
 ①①①②                 ③④⑤⑥
```
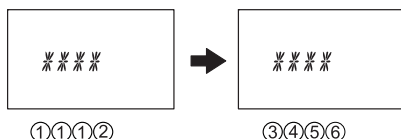
3. If unit is set to Dual Mode enter second code as described above. Press the **<ENTER>** key to confirm the Code.

```
 🔒  CODE 2    ➡    ✶✶✶✶    ➡    ✶✶✶✶
                    ①②①⓪         ④④⑤③
```
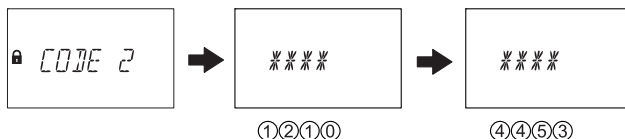
4. If an opening time delay is defined the opening delay window appears and the set delay time starts to count - the remaining time is shown. Every 60 seconds a beep sounds while the delay time counts. If the timer has elapsed another beep indicates the end of the opening delay.

```
🔒 WAIT
      01:42
```
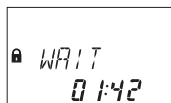
After the opening delay has elapsed the confirmation window appears and the set confirmation time starts to count - the remaining time within the opening must be confirmed is shown.

```
🔒 CONF
       4:42
```
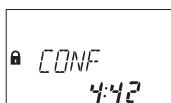
Enter the opening code as described in step 2. Press the **<ENTER>** key to confirm the Code.
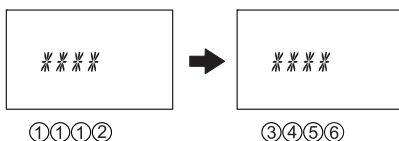
```
※※※※          ➡          ※※※※
  ①①①②                    ③④⑤⑥
```

If unit is set to Dual Mode enter second code as described above. Press the **<ENTER>** key to confirm the Code.

```
🔒 CODE 2     ➡    ※※※※     ➡    ※※※※
                     ①②①⓪              ④④⑤③
```

The lock opens.

```
🔓 OPEN
```
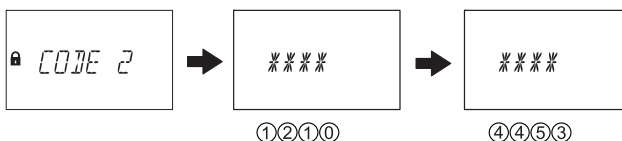
5. Open the safe.
6. If desired continue in Programming Mode (➔ *page 54*).

5.10.2 Opening procedure in ICS mode

The Display switches off automatically after 1 minute without any key be-ing pressed.

1. Press any key to wake up the display (if necessary). The lock status appears.

```
🔒  IDENTIF
```

2. Key-in the 4 digit ID (e.g. 3512) using the **<NUMERIC>** keys (an asterisk appears for every digit entered). **Press the <ENTER> key twice** to confirm the ID (pressing the **<ENTER> key once** triggers a duress alarm).

```
✳✳✳✳
```
③⑤①②

3. The Request Code window appears showing ICS-mode-specific Request Code (e.g. 654123) for 30 seconds. The remaining time is shown within the opening code must be entered. Forward the shown Request Code to the dispatch centre.

```
⏳
🔒  654123
      2:30
```
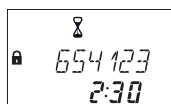
4. Key-in the Opening Code received from the dispatch centre (e.g. 123456) using the **<NUMERIC>** keys. **Press the <ENTER> key twice** to confirm the Code (pressing the **<ENTER> key once** triggers a duress alarm).

```
⏳
🔒  123456
      2:03
```
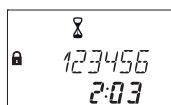
5. If an opening code with time delay is defined the opening delay window appears and the set delay time starts to count. Every 60 seconds a beep sounds while the delay time counts. If the timer has elapsed another beep indicates the end of the opening delay.

```
⏳
🔒  WAIT
```

The lock opens.

```
🔓 OPEN
```
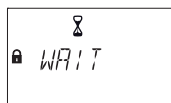
6. Open the safe.
7. If desired continue in Programming Mode (➔ *Programming Mode on page 54*).

5.10.3   Opening procedure in OTC mode

The display switches off automatically after 1 minute without any key being pressed.

1. Press any key to wake up the display (if necessary).The lock status appears.

```
🔒 IDENTIF
```

2. Key-in the 4 digit ID (e.g. 3512) using the **<NUMERIC>** keys (an asterisk appears for every digit entered). **Press the <ENTER> key twice** to confirm the ID (pressing the **<ENTER> key once** triggers a duress alarm).
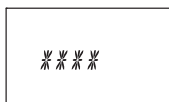
```
✳✳✳✳
```
③⑤①②

3. Key-in the Opening Code received from the dispatch centre (e.g. 123456) using the **<NUMERIC>** keys. **Press the <ENTER> key twice** to confirm the Code (pressing the **<ENTER> key once** triggers a duress alarm).

```
      ⌛
🔒  123456
      2:03
```
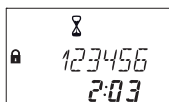
4. If an opening code with time delay is defined the opening delay window appears and the set delay time starts to count. Every 60 seconds a beep sounds while the delay time counts. If the timer has elapsed another beep indicates the end of the opening delay.

```
      ⌛
🔒 WAIT
```

The lock opens.

```
 ⌂ OPEN
```
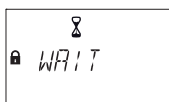
5. Open the safe.
6. If desired continue in Programming Mode (➔ *Programming Mode on page 54*).

> **ℹ Note!**
>
> *The programming mode may be accessed only if the lock is in bank mode or if the lock has been activated in mixed mode.*

5.11 Closing procedure

5.11.1 Closing procedure in bank mode

The lock normally closes automatically when the bolt work is closed.

> **ℹ Note!**
>
> *Depending on the safe design the closing procedure can be made dependent on additional factors.*
>
> *Contact the supplier of the safe or consult section (➔ Installing the lock on page 25).*

5.11.2 Closing procedure in interactive mode

The lock normally closes automatically when the bolt work is closed. If the lock has closed a 6 digit lock seal is shown in the display for 60 seconds which must be forwarded to the dispatch centre to confirm the closing.

```
 🔒   123654
       cloSd
```
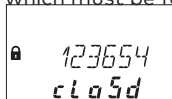
> **ℹ Note!**
>
> *The last lock seal can be displayed in the information menu at any time.*

6 Programming Mode

6.1 Operating the programming mode

6.1.1 Activating the programming mode

1. Open the lock (➔ *Opening procedure on page 49*).

```
🔓 OPEN
```

2. Press the **<MODE>** key.

```
PRG-MOD   ➡   ✴✴✴✴   ➡   ✴✴✴✴
```
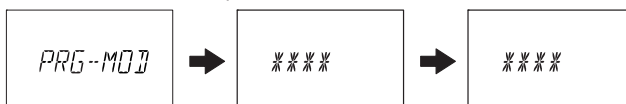
3. Enter the code, e.g. „00023054" using the **<NUMERIC>** keys and confirm the code with the **<ENTER>** key.

```
🏍🔒⏳⚿  📨
   TIME
```

You are now in the programming mode. The main menu is displayed. The content of the main menu depends on the code you have entered.

AS284-USBW or AS284-NETW Programming Software

If the setting „Dual Manager for Programming Mode" is activated, two Manager codes must be entered to access the programming mode. The content of the menu then comprises of the accessible content of both codes.

Important!

If no key is pressed in programming mode within 1 minute, the unit returns automatically to normal operating mode and the display switches off. Any changes which have not been confirmed with the <ENTER> key (the message „ACCEPTED" has to confirm the change) will be lost!

Note!

The programming mode may be accessed only if the lock is in bank mode or if the lock has been activated in mixed mode.

6.1.2 Navigating in the Programming Mode

- Use the **<LEFT>** and **<RIGHT>** key to:
  - scroll to a menu item within the main menu or the submenu.
  - select an individual digit or entry field within a settings display.
- Use the **<ENTER>** key to confirm settings and selections.
- Use the **<INFO/ESC>** key to quit a setting or submenu without action and jump to the next higher menu level.
- Use the **<DEL>** key to delete selected data from a submenu or menu item.
- Use the **<INFO/ESC>** key to quit the Programming Mode and return to Normal Operating Mode.

6.1.3 Modify and save settings in the Programming Mode

To modify an individual setting proceed as follows:

1. Select the desired main setting in the menu (e.g. „TIME") and press the **<ENTER>** key.
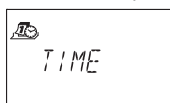
2. Select the desired sub setting and modify it according to the instructions for the corresponding setting (➜ *Programming on page 59*).
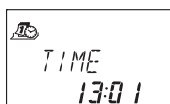
3. Confirm the setting with the **<ENTER>** key.

4. In the upcoming save dialogue select „YES" using the **<LEFT>** or **<RIGHT>** key (if necessary), then press the **<ENTER>** key to save the setting. The Message „**ACCEPTED**" appears shortly and the unit returns to the corresponding setting.

ℹ️ **Note!**
- *The modification dialogue can be interrupted without saving at any time by pressing the <DEL> or <INFO/ESC>key one or several time until you are back in the sub menu. Any changes will not be saved.*
- *The save dialogue can be cancelled by selecting „NO" with the <LEFT> or <RIGHT> key and pressing the <ENTER> key!*

6.1.4   Exiting the Programming Mode

Press repeatedly the **<DEL>** or **<INFO/ESC>** key (jumps to the next higher menu level) to return to normal operating mode.

> ⚠️ **Important!**
> *Any changes which have not been confirmed with the <ENTER> key and the message „ACCEPTED" will be lost!*

6.2 Menu overview

The following menus and submenus (settings) are available in Programming Mode:

TIME	PROG	DELAY		CODE	MISC	
TIME	IMM-TL	DELAY 1		MASTER	LANG	LANG INFO
DATE	WEEKLY	DELAY 2	DUAL bAnk	MANAGER	RMT-DIS	CDE DEN bAnk
AM/PM	HOLIDAY	DELAY 3	BLT OPN bAnk	USER	VOLUME	DURESS bAnk
DST	TL-INT	DELAY 4	BLT OPN cit	COURIER	OPEN bEEP	DUAL bAnk
	TR-FNC1	CNF WIN	PROCTIM cit	SHELVE	CNF WIN bEEP	ONE SC4 bAnk
	TR-FNC2	NRTD HM	DELAY cit		DELAY bEEP	TL LOCK cit
	TR-FNC3	D-ALARM	DURESS cit		D-ALARM bEEP	NRTD cit
					WAIT INFO	TIME cit

Menu „TIME" (setting time, date and time format)
Submenus: „TIME", „DATE", „AM/PM", "DST"

Menu „PROG" (configuring Locking Periods)
Submenus: „IMM-TL", „WEEKLY", „HOLIDAY", „TL-INT", „TR-FNC1", „TR-FNC2", „TR-FNC3"

Menu „DELAY" (configuring Time Delays)
Submenus: „DELAY 1", „DELAY 2", „DELAY 3", „DELAY 4", „CNF WIN", „NRTD HM", „D-ALARM", „DUAL bank", „BLT OPN bank", „BLT OPN cit", „PROCTIM cit", „DELAY cit", „DURESS cit"

Menu „CODE" (modifying codes)
Submenus: „MASTER", „MANAGER", „USER", „COURIER", „SHELVE"

Menu „MISC" (accessing additional settings)
Submenus: „LANG", „RMT-DIS", „VOLUME", „OPEN beep", „CNF WIN beep", „DELAY beep", „D-ALARM beep", „WAIT info", „LANG info", „CDE DEN bank", „DURESS bank", „DUAL bank", „ONE SC4 bank", „TL LOCK cit", „NRTD cit", „TIME cit"

6.3 Access rights

Depending on the access code used upon activating the Programming Mode the following entries and settings can be made.

Function	Authorization				Remarks
	MA	Mx	U	C	
Set **Date**	✓		✓		Master or User 47 only
Set **Time**	✓		✓		Master or User 47 only
Set **Time format**	✓				
Set **Weekly Locking Period**	✓		✓		Master or User 47 only
Activate **Immediate Time Lock** function	✓	✓*	✓*		
Set **Holiday Locking Period / repeated Holiday Locking Period**	✓		✓		Master or User 47 only
Set **Time Delays**	✓	✓*			Master: Time Delays 1 … 4 Manager 1: Time Delay 1 Manager 2: Time Delay 2 Manager 3: Time Delay 3 Manager 4: Time Delay 4
Set **Confirmation Window**	✓	✓*			
Change **Master Code**	✓				Master Code **cannot** be deleted!
Change **Manager Code**	✓	✓			
Delete **Manager Code**	✓				Respective User Codes **will not be** deleted!
Change **Courier Code**	✓			✓	
Delete **Courier Code**	✓				
Delete **User Codes**	✓	✓			
Change **User Code**	✓	✓	✓		User can only change **own** code!
Employ **Shelve Function**	✓				
Deny/permit **subordinated codes**	✓	✓			Entire group of User Codes will be denied/ permitted!
Activate/deactivate **Remote Disabling**	✓		✓*		User 48: disabling User 49: enabling
Get **Audit**	✓		✓*		Master or User 41 only
Activation for IP or OTC	✓		✓*		Master or User 42 only
Activate/deactivate **Duress Code**	✓				
Activate/deactivate **Dual Mode**	✓				
Change **Display Language**	✓	✓			

Legend:	**MA**	*Master Code*	**U**	*User Codes*
	Mx	*Manager Codes 1, 2, 3, 4*	**C**	*Courier Code*
	✓*	*only if set so by AS284-USBW or AS284-NETW Programming Software*		

6.4   Programming

	Requirement!
✔	*To enable the programming the lock must remain open during the entire pro-gramming procedure.*

	Important!
!	*If no key is pressed for 1 minute in the Programming Mode the display will be turned off and the Programming Mode will automatically be exit. Any unsaved entries will be lost!*

6.4.1   Menu TIME

6.4.1.1   Setting the time - submenu TIME

Authorization: Master Code

1. Select the submenu „TIME".

```
TIME
```

2. Press the **<ENTER>** key. The currently set time is displayed.

```
TIME
   13:01
```

3. Enter the time using the **<LEFT>** or **<RIGHT>** key to select the current hour. Press the **<ENTER>** key to confirm and to go on to adjust the minutes using the **<LEFT>** or **<RIGHT>** key. Confirm again by pressing the **<ENTER>** key.

	Note!
i	*If time format „AM/PM" is activated (➜ Setting the time format - submenu AM/PM on page 61) the time must be entered in 12-Hour-Format (e.g. 14:25 as 02:25 PM). The suffix AM or PM can be selected with the <RIGHT> key.*

4. Press the **<ENTER>** key and confirm the setting in the save dialogue.

6.4.1.2 Setting the time - submenu DATE

Authorization: Master Code

1. Select the submenu „DATE".

```
 ⏱
   DATE
```

2. Press the **<ENTER>** key. The currently set date is displayed.

```
 ⏱
  AUG 30
   2017
```
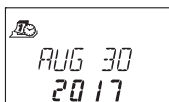
3. Use the **<LEFT>** or **<RIGHT>** key to select the current month. Press the **<ENTER>** key to confirm and moving to the day.
4. Use the **<LEFT>** or **<RIGHT>** key to select the day. Press the **<ENTER>** key to confirm and moving to the year.
5. Use the **<LEFT>** or **<RIGHT>** key to select the year. Press the **<ENTER>** key to confirm.
6. In the upcoming save dialogue select „YES" using the **<LEFT>** or **<RIGHT>** key (if necessary), then press the **<ENTER>** key to save the setting. The Message „**ACCEPTED**" appears shortly and the unit returns to the submenu „DATE".

ℹ | **Note!**
The respective weekdays and leap years are automatically calculated with the internal calendar (calendar range: Jan-1-2002 ... Dec-31-2099).

6.4.1.3   Setting the time format - submenu AM/PM

Authorization: Master Code

1. Select submenu „AM/PM".

```
 ⏰
  AM/PM
```

2. Press the **<ENTER>** key. The currently set time format is displayed.

```
 ⏰
  AM/PM
   OFF
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<Right>** key.

> **i** **Note!**
>
> *With „AM/PM ON" the time is displayed in 12-Hour-Format (1:00 – 12:59 with suffix AM (ante meridiem = before noon) or PM (post meridiem = after noon).*
>
> *With „AM/PM OFF" the time is displayed in 24-Hour-Format (00:00 – 23:59).*

4. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.

6.4.1.4   Setting the daylight saving time - submenu DST

Authorization: Master Code

1. Select submenu „DST".

```
 ⏰
  DST
```
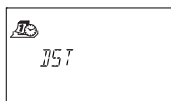
2. Press the **<ENTER>** key. The automatic set daylight saving time is displayed.

```
 ⏰
  DST
   ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<Right>** key.

4. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.

6.4.2   Menu PROG

6.4.2.1   Activating an Immediate Time Lock - Submenu IMM-TL

This function permits activation of a Locking Period with immediate action. Upon closing the lock **cannot** be opened for the programmed duration.

Example: For shorter business hours due to public holiday, the time until beginning of the regular Locking Period can be bridged.

Authorization: Master Code or any Manager Code

AS284-USBW or AS284-NETW Programming Software
- *Only if the Manager Codes are defined as: „can activate Immediate Time Lock", this setting is available with Manager Codes.*
- *Only if the User Codes are defined as: „can activate Immediate Time Lock", this setting is available with User Codes.*

1.   Select submenu „IMM-TL".
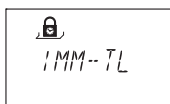
```
   🔒
 IMM-TL
```

2.   Press the **<ENTER>** key.
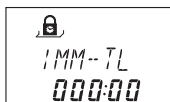
```
   🔒
 IMM-TL
  000:00
```

3.   Use the **<LEFT>** or **<RIGHT>** key to set the duration in hours:minutes the Immediate Time Lock should be active after the lock is closed.

4.   Press the **<ENTER>** key to confirm the settings in the upcoming save dialogue.

Notes!
- *Maximum duration is 144 hours.*
- *Overwriting with „000:00" will deactivate the Immediate Time Lock.*
- *The Immediate Time Lock is not related to Time/Date. Therefore, by changing Time/Date setting the Immediate Time Lock cannot be bypassed.*

6.4.2.2 Configuring Weekly Locking Periods - Submenu WEEKLY

Up to 35 weekly repeated time windows can be defined, during which the lock cannot be opened (e.g. outside business opening hours).

Authorization: Master Code

6.4.2.2.1 Adding a Weekly Locking Period

1. Select submenu „WEEKLY".
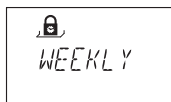
2. Press the **<ENTER>** key. If any Weekly Locking Periods are already defined, the count is displayed.

3. Press the **<ENTER>** key to enter a new period.
4. Use the **<LEFT>** or **<RIGHT>** key to set the day and the time of the **starting point of the Locking Period** (indicated by the „**lock closed**" symbol) and the **<ENTER>** key for confirmation.

5. Confirm with the **<ENTER>** key.

---

i **Note!**

If the maximum of 35 Weekly Locking Periods are already defined upon pressing the „ENTER" key the display does not change / react.

---

i **Note!**

Time and day entry depend on the AM/PM setting (➜ Setting the time format - submenu AM/PM on page 61).
If time format is set to 12-hours (AM/PM On) the week days are numbered: Sunday= 1, Monday= 2, ... Saturday= 7;
If time format is set to 24-hours (AM/PM Off) the week days are numbered: Monday= 1, Tuesday= 2, … Sunday= 7.

---

6. Use the **<LEFT>** or **<RIGHT>** key to set the day (➔ *note below step* 5) and the time of the **end point of the Locking Period** (indicated by the „**lock open**" symbol).

```
   🔓
🔓   FRI
       6:00 AM
```

7. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.
8. Repeat steps 2 to 7 to define other Locking Periods or press the **<Info/Esc>** key to exit the function.

Note!
- *Weekly Locking Periods can last 1 minute to 6 days, 23 hours and 59 minutes.*
- *Between two Weekly Locking Periods opening must be possible. Therefore the time gap must be larger than: the defined Time Delay (or Duress Time Delay, if larger) + the Confirmation Window + one additional minute.*
- *Weekly Locking Periods are saved in chronological order, starting with Monday.*
- *The AS284-USBW or AS284-NETW can configure, that time Lock applies for OTM codes as well.*

6.4.2.2.2 Modifying an existing Weekly Locking Period

Proceed as described for adding a new Weekly Locking Period (➔ *Adding a Weekly Locking Period on page 63*). Instead of pressing the **<ENTER>** key in step 3 use the **<LEFT>** or **<RIGHT>** key to select the Weekly Locking Period you wish to alter and overwrite it.

6.4.2.2.3 Deleting an existing Weekly Locking Period

1. Select submenu „WEEKLY".

```
   🔓
  WEEKLY
```

2. Press the **<ENTER>** key. The starting point of the first defined Weekly Locking Period is displayed.
3. Use the **<LEFT>** or **<RIGHT>** key to select the starting point of the Weekly Locking Period (indicated by the „**lock closed**" symbol) you wish to delete.

```
   🔓
🔒   MON
       19:00 PM
```

4. Press the **<DEL>** key.
5. In the upcoming delete dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key. The corresponding Locking

Period will be deleted.

6.4.2.3 Configuring Holiday Locking Periods - Submenu HOLIDAY

This function permits defining of up to 22 date-related time windows, during which the lock cannot be opened (e.g. during holidays or on public holidays).

Authorization: Master Code

6.4.2.3.1 Adding a Holiday Locking Period

1. Select submenu „HOLIDAY".

    ```
     ,🔒,
    HOLIDAY
    ```

2. Press the **<ENTER>** key. If any Holiday Locking Periods are already defined, the count is displayed.

    ```
     ,🔒,
    HOLIDAY
      002
    ```

3. Press the **<ENTER>** key to enter a new period.

4. Use the **<LEFT>** or **<RIGHT>** key to set the day and the year of the **starting point of the Holiday Locking Period** (indicated by the „**lock closed**" symbol) and the **<ENTER>** key for confirmation.

    ```
     ,🔒,
    🔒 MAY 20
       2017
    ```

> **i** | **Note!**
> *If the maximum of 22 Holiday Locking Periods are already defined upon pressing the „ENTER" key the display does not change / react.*

5. Press the **<ENTER>** key.

6. Use the **<LEFT>** or **<RIGHT>** key to set the day and the year of the **end point of the Holiday Locking Period** (indicated by the „**lock open**" symbol).

    ```
     ,🔒,
    🔓 AUG 31
       2017
    ```
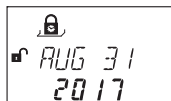
7. Press the **<ENTER>** key to confirm the settings in the upcoming save dialogue.

Notes!
- *Holiday Locking Periods last from 00:00:00 (12:00 AM) of the first day until 23:59:59 (11:59:59 PM) of the last day. Therefore, if a Holiday Locking Period of one day is to be programmed, both, start date and end date must be the same date.*
- *The maximum duration of a Holiday Locking Period is limited to 35 days.*
- *Between two Holiday Locking Periods a time gap of at least 1 day must be observed. Exception: Feb 28th – March 1st due to leap year.*
- *Holiday Locking Periods are saved in chronological order.*
- *During an active Holiday Locking Period possibly defined Weekly Locking Periods (➔Activating an Immediate Time Lock - Submenu IMM-TL on page 62) have no effect – the Holiday Locking Period is simply overlaid.*
- *Entering „0000" for both, starting and ending year will repeat the Holiday Locking Period every year.*
- *If the end date of a yearly repeated Holiday Locking Period is to be last day of February, it is recommended to set it to February 29th in order to include leap years as well.*

6.4.2.3.2 Modifying an existing Holiday Locking Period

Proceed as described for adding a new Holiday Locking Period (➔*Adding a Holiday Locking Period on page 65*). Instead of pressing the **<ENTER>** key in step 3 use the **<LEFT>** or **<RIGHT>** key to select the Holiday Locking Period you wish to alter and overwrite it.

6.4.2.3.3 Deleting an existing Holiday Locking Period
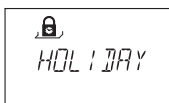
1. Select submenu „**Holiday**".

```
   🔒
 HOLIDAY
```

2. Press the **<ENTER>** key.
3. Use the **<LEFT>** or **<RIGHT>** key to select the starting point of the Holiday Locking Period (indicated by the „**lock closed**" symbol) you wish to delete.

```
    🔒
🔒 MAY 20
   2017
```
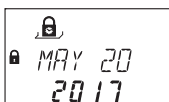
4. Press the **<DEL>** key.
5. In the upcoming delete dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key.

Important!

Once elapsed, Holiday Locking Periods that carry a year value (not 0000) are automatically deleted! This also applies if the date is accidentally set to a future date and then reset to a date in the past!

6.4.2.4 Configuring Time Lock interruption - Submenu TL-INT

This function permits defining of up to 8 date-related time windows, during which the lock can be opened overriding an existing time lock (e.g. weekly locking period or holiday locking period).

Authorization: Master Code

6.4.2.4.1 Adding a Time Lock interruption

1. Select submenu „TL-INT".

```
 🔒
TL-INT
```
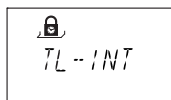
2. Press the **<ENTER>** key. If any Time Lock Interruption Periods are already defined, the count is displayed.

```
 🔒
TL-INT
 002
```
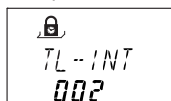
3. Press the **<ENTER>** key to enter a new Time Lock Interruption period.

> **ℹ️ Note!**
>
> *If the maximum of 8 Time Lock Interruption Periods are already defined upon pressing the „ENTER" key the display does not change / react.*

4. Use the **<LEFT>** or **<RIGHT>** key to set the month of the **starting point of the Time Lock Interruption** and the **<ENTER>** key for confirmation. Repeat this to set the day and the year.

```
 🔒
MAY 20
 2017
```

5. Use the **<LEFT>** or **<RIGHT>** key to set the hour of the **starting point of the Time Lock interruption** and the **<ENTER>** key for confirmation. Repeat this to set the minutes.

```
 🔒
TIME
 10:05
```
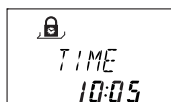
6. Use the **<LEFT>** or **<RIGHT>** key to set the hour of the **duration of the interruption** and the **<ENTER>** key for confirmation. Repeat this to set the minutes.

```
 🔒
DURATN
 02:05
```
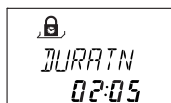
7. In the upcoming delete dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm the settings.

> **i** **Notes!**
> - *The maximum duration of a Time Lock Interruption Period is limited to 144 hours.*

6.4.2.4.2 Modifying an existing Time Lock interruption Period

Proceed as described for adding a new Time Lock Interruption Period (➜ *Adding a Time Lock interruption on page 67*). Instead of pressing the **<ENTER>** key in step 3 use the **<LEFT>** or **<RIGHT>** key to select the Time Lock Interrupting Period you wish to alter and overwrite it.

6.4.2.4.3 Deleting an existing Time Lock interruption Period

1. Select submenu „**TL-INT**".
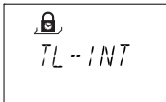
```
  🔒
 TL - INT
```

2. Press the **<ENTER>** key.
3. Use the **<LEFT>** or **<Right>** key to select the starting point of the Time Locking Interruption Period you wish to delete.

```
   🔒
🔒 MAY 20
   2017
```
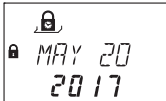
4. Press the **<DEL>** key.
5. In the upcoming delete dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key.

> **!** **Important!**
> *Once elapsed, Time Lock Interruption Periods are automatically deleted! This also applies if the date is accidentally set to a future date and then reset to a date in the past!*

6.4.2.5 Configuring Time Related Function - Submenu TR-FNC1..3

This function permits defining of up to 3 time-related functions, during which the lock changes the behaviour. Possible settings are Open Time Delay, toggle Dual Mode and Code Disabling. Optional it can be defined for which days it applies. Three Time Related Functions can be programmed:
- Time Related Functions 1: valid for Master, Manager 1 and Users 11 ... 19
- Time Related Functions 2: valid for Manager 2 and Users 21 ... 29
- Time Related Functions 3: valid for Manager 3 and Users 31 ... 39

Authorization: Master Code

6.4.2.5.1 Adding a Time Related Function

1. Select submenu „**TR-FNC1**", "**TR-FNC2**" or "**TR-FNC3**".

    ```
         🔒
     TR-FNE 1
    ```
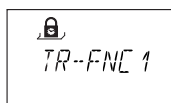
2. Press the **<ENTER>** key. If any Time Related Functions are already defined, the count is displayed.

    ```
         🔒
     TR-FNE 1
       00 1
    ```

3. Press the **<ENTER>** key to enter a new Time Related Function.

ℹ️ **Note!**

If the maximum of 3 Time Related Functions are already defined upon pressing the „ENTER" key the display does not change / react.

4. Use the **<LEFT>** or **<RIGHT>** key to set the hour of the **starting point of the Time Related Function** (indicated by the „**lock closed**" symbol) and the **<ENTER>** key for confirmation. Repeat this to set the minutes.

    ```
         🔒
    🔒  T IME
        10:05
    ```

5. Use the **<LEFT>** or **<RIGHT>** key to set the hour of **end point of the Time Related Function** (indicated by the „**lock open**" symbol) and the **<ENTER>** key for confirmation. Repeat this to set the minutes.

    ```
         🔒
    🔓  T IME
        1 1:05
    ```
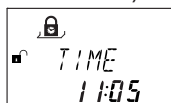
6. If a different opening delay shall be set select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
 🔒
  DELAY
    ON
```

Use the **<LEFT>** or **<RIGHT>** key to set the minute of the **Delay** and the **<ENTER>** key for confirmation.

```
 🔒
  DELAY
   03:00
```

ℹ️ **Notes!**
- *You can define minutes of the Delay only. Seconds cannot be defined.*
- *The maximum duration of a Delay is limited to 99 minutes.*

7. If the **Dual Mode** needs to be toggled (if Dual Mode is switched on it switches it off during the defined period. If Dual Mode is switched off it switches it on during the defined period) select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
 🔒
 TOGL DM
    ON
```

8. If the **User Group** needs to be disabled (codes denied) select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
 🔒
 CDE DEN
    ON
```

8. If the **Time Related Function** shall apply not to all days a week, switch **Weekly** to „**ON**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
 🔒
 WEEKLY
    ON
```

Switch each day to „**ON**" (using the **<LEFT>** or **<RIGHT>** key) at which the Time Related Function shall apply, then press the **<ENTER>** key to confirm and step to the next day. Repeat this for each day.

```
 🔒
  MON
    ON
```

9. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.2.5.2 Modifying an existing Time Related Function

Proceed as described for adding a new Time Related Function (➔ *Adding a Time Related Function on page 69*). Instead of pressing the **<ENTER>** key in step 3 use the **<LEFT>** or **<RIGHT>** key to select the Time Related Function and its parameter you wish to alter and overwrite it.

6.4.2.5.3 Deleting an existing Time Related Function

1. Select submenu „**TR-FNC1**", "**TR-FNC2**" or "**TR-FNC3**".
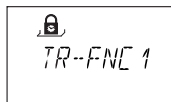
2. Press the **<ENTER>** key.

3. Use the **<RIGHT>** key to select the starting point of the Time Locking Interruption Period you wish to delete.

4. Press the **<DEL>** key.

5. In the upcoming delete dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key.

6.4.3 Menu DELAY

6.4.3.1 Setting/Deactivating Time Delays - Submenus DELAY 1...4

Once a valid code is entered, the lock only opens after the configured time delay has elapsed. A time delay can be set between 0 (deactivated, no Time Delay) and 99 minutes. Four Time Delays can be programmed:
* Time Delay 1: valid for Master, Manager 1 and Users 11 ... 19
* Time Delay 2: valid for Manager 2 and Users 21 ... 29
* Time Delay 3: valid for Manager 3 and Users 31 ... 39
* Time Delay 4: valid for Manager 4 and Users 41 ... 49.

Authorization: Master Code or Manager Code

1. Select the submenu „**DELAY 1**", „**DELAY 2**", „**DELAY 3**" or „**DELAY 4**".

```
   ⏳
 DELAY 1
```

2. Press the **<ENTER>** key. The currently set Time Delay is displayed.

```
   ⏳
 DELAY 1
  05:00
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired Time Delay (setting range „00:00" (deactivated, no Time Delay) to „99:00" minutes).

Note!
* *Upon delivery Time Delays are deactivated (set to „00:00").*
* *The programmable maximum value of a Time Delay may be limited by the minimum time gap between two Weekly Locking Periods (➜ Adding a Weekly Locking Period on page 63)*
* *You can define minutes of the Delay only. Seconds cannot be defined.*
* *Entering a Courier Code opens the lock without any Time Delay.*
* *Ex factory the Duress Time Delay in one time code mode is set to 99 minutes.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

AS284-USBW or AS284-NETW Programming software

- *Four Duress Time Delays can be configured for bank mode:*
  - *Duress Time Delay 1: valid for Master, Manager 1 and Users 11 ... 19*
  - *Duress Time Delay 2: valid for Manager 2 and Users 21 ... 29*
  - *Duress Time Delay 3: valid for Manager 3 and Users 31 ... 39*
  - *Duress Time Delay 4: valid for Manager 4 and Users 41 ... 49.*

- *One Duress Time Delay can be configured for one time code mode.*
- *The Duress Time Delays can be set independent (longer or shorter) of normal Time Delays.*
- *It is also possible to suppress Time Delays with an external signal (➜ External connections at the lock on page 28). This allows to open the lock (e.g. to empty ATMs) without a Time Delay.*

6.4.3.2 Configuring the Confirmation Window - Submenu CNF WIN

To prevent the lock from automatic opening once a Time Delay has elapsed, a confirmation window is displayed, during which a valid code has to be entered again within a certain time.

Authorization:　　　**Master Code** *or* **any Manager Code**

AS284-USBW or AS284-NETW Programming Software
If the Manager Codes are defined as: „Manager can change Confirmation Window", this setting is available with Manager Codes.

1. Select the submenu „**CNF WIN**".

```
      ⏳
   CNF WIN
```
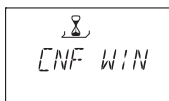
2. Press the **<ENTER>** key. The currently set confirmation time is displayed.

```
      ⏳
   CNF WIN
     05:00
```
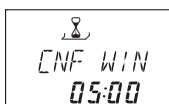
3. Use the **<LEFT>** or **<RIGHT>** key to set the desired confirmation time (setting range „1:00" to „99:00" minutes).

Note!
- *Upon delivery Confirmation Window is set to 5 minutes.*
- *The minimum value is 1 minute.*
- *The programmable maximum value of a Time Delay may be limited by the minimum time gap between two Weekly Locking Periods (➜ Adding a Weekly Locking Period on page 63).*
- *The value set for the Confirmation window is also used for Courier Code opening if set to „Courier does not open but Skips Time Delay" (➜ Courier Code on page 46).*
- *The Confirmation Window can not be deactivated.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.3 Configuring the Non Return Time delay - Submenu NRTD HM

Upon closing the lock **cannot** be opened for the programmed Non Return Time Delay duration.

Authorization: ***Master Code***

1. Select the submenu „**NRTD HM**".

```
    ⌛
  NRTD HM
```

2. Press the **<ENTER>** key. The currently set Non Return Time Delay is displayed (hours:minutes).

```
    ⌛
  NRTD HM
   00:00
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired Non Return Time Delay (setting range „00:00" to „99:59").

> **ℹ Note!**
> • *Upon delivery Non Return Time Delay is set to 0 minutes.*
> • *The Non Return Time delay can be overridden with a code generated in One Time Mode (AS274). This has to be enabled by the AS284.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.4 Configuring the opening delay of Duress Alarm - Submenu D-ALARM

Once a duress code is entered, the lock opens after the Duress Alarm opening delay time has elapsed.

Authorization: ***Master Code***

1. Select the submenu „**D-ALARM**".

```
    ⌛
  D-ALARM
```

2. Press the **<ENTER>** key. The currently set duress opening time delay is displayed (hours:minutes).

```
    ⌛
  D-ALARM
   03:00
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired duress opening time delay (setting range „00:00" to „99:59").

> **Note!**
> • *Upon delivery Duress Alarm Opening Time Delay is set to 0 minutes.*
> • *The Duress Alarm Opening Time Delay cannot be overridden.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.5 Configuring the Window to enter second code in Dual Mode - Submenu DUAL bank

In Dual Mode the second opening code has to be entered within a certain time window.

Authorization: **Master Code**

1. Select the submenu „**DUAL bank**".

```
    ⏳
  DUAL
   bANK
```

2. Press the **<ENTER>** key. The currently set window is displayed (minutes:seconds).

```
    ⏳
  DUAL
   01:00
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired window to enter the second opening code (setting range „00:00" to „02:30").

> **Note!**
> • *Upon delivery the opening window is set to 1 minutes.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.6 Configuring the Bolt Open Time for bank mode - Submenu BLT OPN bank

Upon opening of the lock in bank mode it will close automatically when the bolt open time has elapsed. The automatic closing can be prevented by connecting a door open contact or bolt work open contact (➔ *Lock Input 2 on page 28*).

Authorization: **Master Code**

1. Select the submenu „**BLT OPN bank**".

```
    ⏳
  BLT OPN
   bANK
```

2. Press the **<ENTER>** key. The currently bolt open time is displayed (minutes:seconds).

```
    ⏳
BLT OPN
   00:06
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired window to enter the second opening code (setting range „00:00" to „02:30").

ℹ️	**Note!**
	• *Upon delivery the bolt open time is set to 6 seconds.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.7 Configuring the Bolt Open Time for CIT mode - Submenu BLT OPN cit

Upon opening of the lock in CIT or OTC mode it will close automatically when the bolt open time has elapsed. The automatic closing can be prevented by connecting a door open contact or bolt work open contact (➜ *Lock Input 2 on page 28*).

Authorization: **Master Code**

1. Select the submenu „**BLT OPN cit**".

```
    ⏳
BLT OPN
   cit
```

2. Press the **<ENTER>** key. The currently bolt open time is displayed (minutes:seconds).

```
    ⏳
BLT OPN
   00:06
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired window to enter the second opening code (setting range „00:00" to „02:30").

ℹ️	**Note!**
	• *Upon delivery the bolt open time is set to 6 seconds.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.8 Configuring the Window to enter a one time code - Submenu PROCTIM cit

This defines the time window in One Time Mode ICS or OTM to enter the opening combination after an identification (➔ *Opening procedure in ICS mode on page 51 or Opening procedure in OTC mode on page 52*).

Authorization: **Master Code**

1. Select the submenu „**DUAL bank**".

```
      ⌛
   PROCTIM
     c It
```

2. Press the **<ENTER>** key. The currently set window is displayed (minutes:seconds).

```
      ⌛
   PROCTIM
     02:30
```
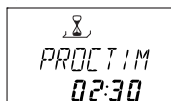
3. Use the **<LEFT>** or **<RIGHT>** key to set the desired window (setting range „00:00" to „99:00").

| ℹ️ | **Note!**
• *Upon delivery the window is set to 2:30 minutes.* |

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.9 Setting OTM Time Delay - Submenus DELAY cit

Once a valid OTM code is entered, the lock only opens after the configured time delay has elapsed. A time delay can be set between 0 (deactivated, no Time Delay) and 99 minutes.

Authorization: Master Code or Manager Code

1. Select the submenu „**DELAY cit**".

```
      ⌛
   DELAY
     c It
```

2. Press the **<ENTER>** key. The currently set Time Delay is displayed.

```
      ⌛
   DELAY
     00:00
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired Time Delay (setting range „00:00" (deactivated, no Time Delay) to „99:00" minutes).

> **Notes!**
> • *Ex factory the OTM Time Delay in one time code mode is set to 99 minutes.*
> • *You can define minutes of the Delay only. Seconds cannot be defined.*
> • *The maximum duration of a Delay is limited to 99 minutes.*
> • *Entering a Courier Code opens the lock without any Time Delay.*

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.3.10 Configuring the opening delay of OTM Duress Alarm - Submenu DURESS cit

Once a OTM duress code is entered, the lock opens after the OTM Duress Alarm opening delay time has elapsed.

Authorization: **Master Code**

1. Select the submenu „**DURESS cit**".

```
      ⏳
   DURESS
    c It
```

2. Press the **<ENTER>** key. The currently set duress opening time delay is displayed (hours:minutes).

```
      ⏳
   DURESS
    99:00
```
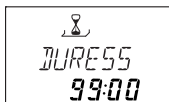
3. Use the **<LEFT>** or **<RIGHT>** key to set the desired duress opening time delay (setting range „00:00" to „99:00").

> **Note!**
> • *Ex factory the Duress Time Delay in one time code mode is set to 99 minutes.*
> • *You can define minutes of the Delay only. Seconds cannot be defined.*
> • *The maximum duration of a Delay is limited to 99 minutes.*
> • *Entering a Courier Code opens the lock without any Time Delay.*

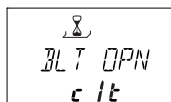4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.4 Menu CODE

The following table shows the authorizations of codes to perform modifications (for an overview of available code types (➜ *Code types on page 43*).

Can be modified by owner of...	Master Code	Manager Codes	User Codes	Courier Code
Master Code	M	A M D	A M D	A M D
Respective Manager Code	–	M	A M D	–
Respective User Codes	–	–	M	–
Courier Code	–	–	–	M

Legend: *A*   *Activate*   *M*   *Modify*   *D*   *Delete*

6.4.4.1 Changing the Master Code - Submenu MASTER

Authorization: **Master Code**

1. Select the submenu „**MASTER**".

   ```
   MASTER
   ```

2. Press the **<ENTER>** key.

   ```
   CHANGE ?
      YES
   ```

3. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

   ```
   ****  ➡  ****
   ```
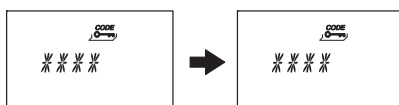
4. Use the **<NUMERIC>** keys to enter the new code.

5. Press the **<ENTER>** key to confirm.

6. „**CONFIRM**" is displayed shortly to prompt you to enter the same code again for confirmation. Use the **<NUMERIC>** keys to enter the same code again.

   ```
   CONFIRM  ➡  ****  ➡  ****
   ```
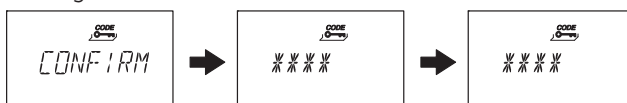
7. Press the **<ENTER>** key to confirm.

6.4.4.2 Setting Manager Codes - Submenu MANAGER

Authorization: **Master Code** *or* **respective Manager Code**

1. Select the submenu „**MANAGER**".

```
        CODE
      MANAGER
```

2. Press the **<ENTER>** key.

3. This step must be performed only, if programming mode was entered with Master Code or Dual Manager Code: use the **<LEFT>** or **<RIGHT>** key to select the Manager Code you wish to alter (Manager Codes already activated are displayed by „USED" not activated codes are displayed by „– – – –").

```
        CODE
      MANAG  1
      - - - -
```

4. Press the **<ENTER>** key. If you have selected an already activated code you are asked whether or not you want to modify the code.

5. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
        CODE
      CHANGE  ?
        YES
```

6. Use the **<NUMERIC>** keys to enter the new code.

```
        CODE                    CODE
      ****        ➡          ****
```

7. Press the **<ENTER>** key to confirm.

8. „**CONFIRM**" is displayed shortly to prompt you to enter the same code again for confirmation. Use the **<NUMERIC>** keys to enter the same code again.

```
        CODE              CODE              CODE
      CONFIRM    ➡      ****    ➡      ****
```
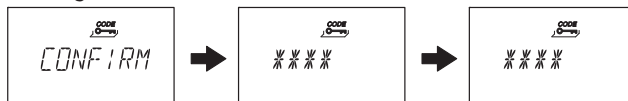
9. Press the **<ENTER>** key to confirm.

6.4.4.3 Setting User Codes - Submenu USER

Authorization: **Master Code**, *respective Manager Code or*
                             respective User Code

AS284-USBW or AS284-NETW Programming Software
- *If the Manager Codes are defined as: „Manager can Cross Access User Codes", Manger can also modify User Codes of another User Group.*
- *User 41 can be defined as audit code. If set so, the user can get the audit of the lock with the AS284-USBW or AS284-NETW software. The audit code can't be used to open the lock and the message „DENIED" will be displayed (the user code 41 has to be entered within the software).*
- *User 42 can be defined as activation code. If set so, the user can activate the lock for importing either into the OTM application AS274 or into the AS284-NETW software. The activation code can't be used to open the lock and the message „DENIED" will be displayed (the user code 42 has to be entered within the software AS280-INSW).*
- *User 45 and 46 can be defined to activate a relay output. If set so, user 45 and 46 can't be used to open the lock.*
- *User 47 can be defined as time code. If set so, the user has access to all time functions e.g. time, date, weekly and holiday programs. The time code can't be used to open the lock.*
- *The User Codes 48 and 49 can be defined as: „disabling/enabling the lock". Thereupon, User Codes 48 and 49 can no longer open the lock, they can only disable/enable the lock. Entering the User Code 48 disables the lock whereas entering the User Code 49 enables the lock.*

1. Select the submenu „**USER**".

```
        CODE
   USER
```

2. Press the **<ENTER>** key.

3. This step must be performed only, If programming mode was entered with Master Code or a Manager Code: use the **<LEFT>** or **<RIGHT>** key to select the User Code you wish to alter (User Codes already activated are displayed by „USED" not activated codes are displayed by „– – – –").

```
        CODE
  USER 11
   - - - -
```

4. Press the **<ENTER>** key. If you have selected an already activated code you are asked whether or not you want to modify the code.

```
        CODE
     CHANGE ?
       YES
```

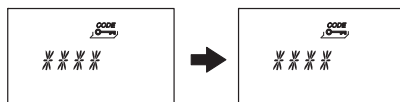5. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<EN-TER>** key.

6. Use the **<NUMERIC>** keys to enter the new code.

```
      CODE                    CODE
     ✳✳✳✳                    ✳✳✳✳
```

7. Press the **<ENTER>** key to confirm.

8. „**CONFIRM**" is displayed shortly to prompt you to enter the same code again for confirmation. Use the **<NUMERIC>** keys to enter the same code again.

```
      CODE                  CODE                  CODE
    CONFIRM                ✳✳✳✳                  ✳✳✳✳
```
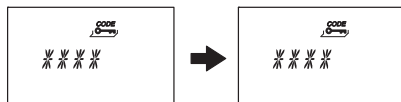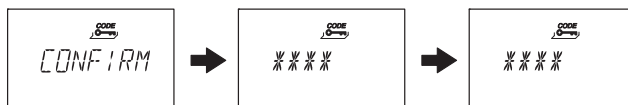
9. Press the **<ENTER>** key to confirm.

6.4.4.4 Setting the Courier Code - Submenu COURIER

Authorization: **Master Code** *or* **Courier Code**

1. Select the submenu „**COURIER**".

```
     CODE
   COURIER
```

2. Press the **<ENTER>** key.

```
     CODE
   COURIER
    - - - -
```

3. A Courier Code already activated is indicated with „USED", a Courier Code not activated is indicated by „– – – –". Press the **<ENTER>** key. If the Courier Code is already activated you are asked whether or not you want to modify the code.

```
     CODE
   CHANGE ?
      YES
```

4. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<EN-TER>** key.

```
     CODE          CODE
   ¥¥¥¥    ➡     ¥¥¥¥
```
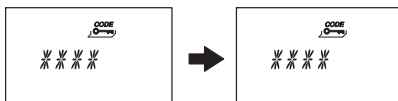
5. Use the **<NUMERIC>** keys to enter the new code.

6. Press the **<ENTER>** key to confirm.

7. „**CONFIRM**" is displayed shortly to prompt you to enter the same code again for confirmation. Use the **<NUMERIC>** keys to enter the same code again.

```
     CODE          CODE          CODE
   CONFIRM  ➡    ¥¥¥¥   ➡    ¥¥¥¥
```
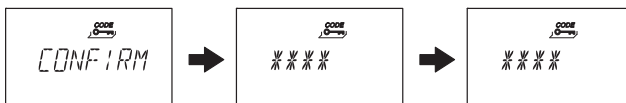
8. Press the **<ENTER>** key to confirm.

6.4.4.5 Reset the whole Axessor CIT safe lock system to factory defaults - Submenu SHELVE

Important!

The employment of the Shelve Function will reset the Axessor CIT to bank mode (standard operating mode), erase all codes and set all parameters, such as Time Delay, Time Lock function, Dual Mode, display language, inputs, outputs, eBox settings and network data, etc. to factory set values. Time/date, opening counter and Audit Trail will remain unchanged.
* *Before continuing, be aware that all data will be lost!*
* *Saving data with AS284-USBW or AS284-NETW Programming Software prior to shelving is recommended!*
* *Take note that codes cannot be saved!*

Authorization: **Master Code**

1. Select the submenu „**SHELVE**".

```
        CODE
     SHELVE
```

2. Press the **<ENTER>** key.

```
        CODE
     SURE      ?
         NO
```

3. You are asked wether or not you are sure to reset all data of the Axessor CIT back to factory default setting . Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<Enter>** key. All data is reset to factory default settings.

6.4.4.6 Modifying a code

Authorization: ➔ *Access Codes on page 43*

1. Select the Menu „**CODE**".

```
🚜🔒⏳⚏      ⬛
     CODE
```

2. Press the **<ENTER>** key.

3. This step must be performed only, if the Programming Mode was entered with a code of a higher level, than the one you wish to alter: use the **<LEFT>** or **<RIGHT>** key to select the **code type** (e.g. „User") you wish to alter. Press the **<ENTER>** key. Use the **<LEFT>** or **<RIGHT>** key to select the **Code** (e.g. „User 11") you wish to alter.

4. Press the **<ENTER>** key. You are asked whether or not you want to modify the code

```
        ⚏
   CHANGE ?
      YES
```

5. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<ENTER>** key.

```
      ⚏                    ⚏
   ✳✳✳✳    ➡️       ✳✳✳✳
```
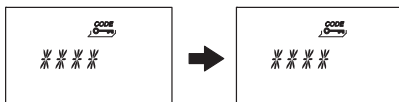
6. Use the **<NUMERIC>** keys to enter the new code.

7. Press the **<ENTER>** key to confirm.

8. „CONFIRM" is displayed shortly to prompt you to enter the same code again for confirmation. Use the **<NUMERIC>** keys to enter the same code again.

```
      ⚏                ⚏                ⚏
  CONFIRM   ➡️   ✳✳✳✳   ➡️   ✳✳✳✳
```
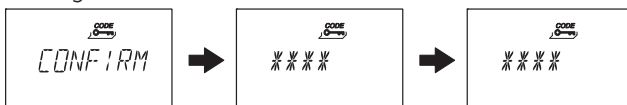
9. Press the **<ENTER>** key to confirm.

6.4.4.7 Deleting a code

Authorization: ➔ *Access Codes on page 43*

1. Select the Menu „**CODE**".

```
CODE
```

2. Press the **<ENTER>** key.

3. Use the **<LEFT>** or **<RIGHT>** key to select the **code type** (e.g. „User")
   you wish to alter, then press the **<ENTER>** key.

```
USER
```

4. Use the **<LEFT>** or **<RIGHT>** key to select the **Code** (e.g. „User 11") you
   wish to alter.

```
USER 11
- - - -
```

5. Press the **<DEL>** key. You are asked whether you want to delete the
   code.

```
CLEAR ?
NO
```

6. Select „**YES**" (using the **<LEFT>** or **<RIGHT>** key), then press the **<EN-TER>** key

7. Press the **<ENTER>** key to confirm the deletion.

> **i** **Note!**
> • *The Master Code cannot be deleted.*
> • *Upon deletion of a Manager Code the corresponding group of User Codes remain unchanged and will not be deleted.*

6.4.5　Menu MISC

6.4.5.1　Setting the display language - Submenu LANG

By default the system language is set to English. If desired, the display language can be set to another language.

Note!
- *The display language can be modified without entering an access code via the language indication in the information menu.*

Authorization:　　　**Master Code** *or* **any Manager Code**

1. Select the submenu „**LANG**".

```
              ⌂
    LANG
```

2. Press the **<ENTER>** key. The currently set display language (by default: „ENGLISH") is displayed.

```
              ⌂
    ENGLISH
```
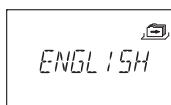
3. Use the **<LEFT>** or **<RIGHT>** key to select desired display language. Press the **<ENTER>** key to confirm.
4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.2　Enabling/disabling Remote Disable - Submenu RMT-DIS

Opening of the closed lock can be disabled by an external signal. This function can e.g. be employed when additional identification (e.g. badge, biometrics) is desired or to prevent opening during certain circumstances (e.g. when alarm system is armed).

Note!
- *To use the Remote Disabling one of the inputs has to be configured with AS284-USBW or AS284-NETW accordingly.*
- *The function is not active when lock is open – lock can then be operated normally.*
- *The Remote disabling can be overridden by the Master to avoid total lock out upon malfunction of the external signal.*

Authorization:　　　**Master Code**

1. Select submenu „RMT-DIS".

```
              ⌂
    RMT-DIS
```
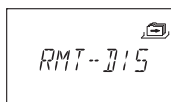
2. Press the **<ENTER>** key. The information on Remote Disabling is displayed.
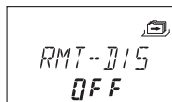
```
              ⏢
   RMT-DIS
       OFF
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.3 Setting the Beeper Volume - Submenu Volume

Set the general beeper volume.

Authorization: **Master Code**

1. Select submenu „VOLUME".

```
              ⏢
   VOLUME
```

2. Press the **<ENTER>** key. The current volume is displayed.

```
              ⏢
   VOLUME
       000
```

3. Use the **<LEFT>** or **<RIGHT>** key to set the desired volume („000" for off, „001" for low and „002" for high volume).

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.4 Enabling/disabling Open Beeper - Submenu OPEN beep

This setting defines, if an open door or bolt work will be notified with beeping 10 short beeps every 30 seconds.

Authorization: **Master Code**

1. Select submenu „**OPEN beep**".

```
              ⏢
   OPEN
       bEEP
```

2. Press the **<ENTER>** key. The information if the beeper is switched on or off is displayed.

```
              ⏢
   OPEN
       ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.5 Enabling/disabling Confirmation Window Beeper - Sub-menu CNF WIN beep

This setting defines, if Confirmation Window active (waiting for confirmation code after elapse of Time Delay) period is indicated with 3 beeps every 60 seconds.

Authorization: **Master Code**

1. Select submenu „**CNF WIN beep**".

```
      ⌂
  CNF WIN
    bEEP
```

2. Press the **<ENTER>** key. The information if the beeper is switched on or off is displayed.

```
      ⌂
  CNF WIN
     ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.6 Enabling/disabling Delay Notify Beeper - Submenu DELAY beep

This setting defines, if the opening delay period is indicated with 1 beep every 60 seconds.

Authorization: **Master Code**

1. Select submenu „**DELAY beep**".

```
      ⌂
  DELAY
    bEEP
```

2. Press the **<ENTER>** key. The information if the beeper is switched on or off is displayed.

```
      ⌂
  DELAY
     ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.7 Enabling/disabling Duress Delay Notify Beeper - Submenu D-ALARM beep

This setting defines, if the duress opening delay period is indicated with 1 beep every 60 seconds.

Authorization: **Master Code**

1. Select submenu „**D-ALARM beep**".

```
        ⬜
   D-ALARM
      bEEP
```

2. Press the **<ENTER>** key. The information if the beeper is switched on or off is displayed.

```
        ⬜
   D-ALARM
      ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.
4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.8 Enabling/disabling Wait time display - Submenu WAIT info

This setting defines, if the waiting time period is displayed.

Authorization: **Master Code**

1. Select submenu „**WAIT info**".

```
        ⬜
    WAIT
      INFO
```
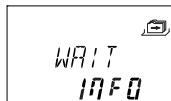
2. Press the **<ENTER>** key. The information if the time is displayed.

```
        ⬜
    WAIT
      ON
```

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.
4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.9 Enabling/disabling Language in display - Submenu LANG info

This setting defines, which menu language is available for display in the input unit.

Authorization: **Master Code**

1. Select submenu „**LANG info**".

```
        🗁
   LANG
    INFO
```
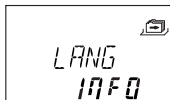
2. Press the **<ENTER>** key. The language is displayed as well if it is enabled („on") or disabled („off").

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to step to the next language.

```
        🗁
  ENGLISH
    ON
```
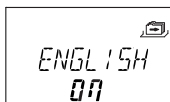
4. Upon defining the last language select in the upcoming dialogue „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.10 Activating/Deactivating Code Denial - Submenu CDE DEN bank

A higher-level code can deny access for lower levelled codes until possible re-permission. As an example, „Off-Duty-Shifts" can be locked out and reassigned again once they start their shift.

An entire User Group (with or without its corresponding Manager Code) can be denied from access.

Authorization: **Master Code** *or* **any Manager Code**

1. Select the submenu „**CDE DEN bank**".

```
        🗁
  CDE DEN
    bANK
```

2. Press the **<ENTER>** key. The Code Denial status of the User Group 1 is displayed.

```
        🗁
  GROUP 1
    OFF
```

3. Use the **<LEFT>** or **<RIGHT>** key to select the desired User Group or Manager.

4. Press the **<ENTER>** key to confirm your selection.

```
              ⌨
   MANAG  1
      OFF
```

5. Use the **<LEFT>** or **<RIGHT>** key to **activate („CDE DEN ON", access denied) or deactivate („CDE DEN OFF", access permitted)** the Code Denial for the corresponding User Group or Manager.

6. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.

7. Repeat steps 2 to 5 for all User Groups and Managers desired.

AS284-USBW or AS284-NETW Programming Software
- *Every single User can be denied individually.*
- *A User can be denied even if the code itself is not yet programmed.*
- *When calling up the Code Denial submenu, code groups with a mixture of denied and permitted codes are indicated with „<– ☐ – ☐–>" in the display.*

6.4.5.11 Activating/Deactivating Duress Code function - Submenu DURESS bank

If the lock is connected to an external alarm system, a silent duress alarm (not noticeable for the aggressor) can be triggered by entering a Duress Code (➜ *Duress Code on page 46*).

Duress Codes are recognized if this function has been activated.

Entering the Duress Code for opening the lock also starts the defined Duress Time delay (➜ *Duress Alarm opening delay on page 79*).

Authorization: **Master Code**

1. Select the submenu „**DURESS bank**".

```
              ⌨
   DURESS
      bANK
```

2. Press the **<ENTER>** key. The currently set status of the Duress Code (by default: „OFF") is displayed.

```
              ⌨
   DURESS
      OFF
```

3. Use the **<LEFT>** or **<RIGHT>** key to **activate („DURESS ON") or deactivate („DURESS OFF")** the Duress Code recognition.

4. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.

AS284-USBW or AS284-NETW Programming Software
- *The Duress Time Delay can be set independent (longer or shorter) of the Time Delay.*

ℹ️ **Note!**

This function applies for the duress code function in bank mode only. The duress code function in one time code mode is not affected.

6.4.5.12 Activating/Deactivating Dual Mode - Submenu DUAL bank

The lock can be set to require 2 codes for opening. It can be employed when only 2 persons together are supposed to be able to open the lock.

Authorization: **Master Code**

1. Select the submenu „**DUAL bank**".

```
       ⊟
   DUAL
     bANK
```

2. Press the **<ENTER>** key. The currently set status of the Dual Mode (by default: „OFF") is displayed.

```
       ⊟
   DUAL
     OFF
```

3. Use the **<LEFT>** or **<RIGHT>** key to **activate („DUAL ON")** or **deactivate („DUAL OFF")** Dual Mode.

4. Press the **<ENTER>** key to confirm the setting in the upcoming save dialogue.

ℹ️ **Note!**

• *Depending on the Dual Mode settings („Two Codes of same group", „Two Codes of different groups" or „any two codes") different code combinations („Manager and Master", „User and User", „Manager and User", etc.) can open the lock.*
  Master Code (if set to „Master can open Lock") and Courier Code can open the lock without any second code.
• *If Opening Time Delay is activated:*
  • *Two codes must be entered for verification in the Confirmation Window, once the Time Delay has elapsed. Here again, above mentioned Dual Mode settings apply.*
  • *If two codes were entered, the opening delay of the last code will be performed. Exception: if the first entered code was a Duress Code, its Duress Time Delay will be performed.*
  • *If Master Code or Courier Code is entered first in Confirmation Window no second code will be required upon confirmation.*

![AS 284 CD icon] **AS284-USBW or AS284-NETW Programming Software**
- *Code combinations to open the lock can be set to: „Two Codes of same group",*
  „Two Codes of different groups" or „Any two codes".
- *Master Code can be defined as „cannot open". If so, the Master Code can*
  neither be used to open the lock nor to start the Time Delay. The message
  „DENIED" is shown instead. However, if only one operable code is programmed
  in Dual Mode, Master Code can open, though!

6.4.5.13 Enabling/disabling One Shot Codes - Submenu ONE SC4 bank

This setting defines, if the codes of the group 4 are used as one shot codes. If defined as such, the codes defined can be used only once. After the usage, the code will not be valid for opening another time.

Authorization: **Master Code**

1. Select submenu „**ONE SC4 bank**".

```
             ⬜
    ONE SC4
       bANK
```
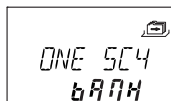
2. Press the **<ENTER>** key. It is displayed if the One Shot codes are enabled („on") or disabled („off").

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

```
             ⬜
    ONE SC4
       ON
```
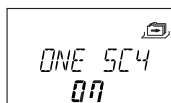
4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.14 Enabling/disabling Time Lock for OTM - Submenu TL LOCK cit

Ex factory, a defined time lock period does not apply for OTM codes. OTM codes can open always. If the defined time lock periods shall apply for OTM codes as well, set this setting to „**ON**".

Authorization: **Master Code**

1. Select submenu „**TL LOCK cit**".

```
        ⌂
   TL LOCK
      cit
```

2. Press the **<ENTER>** key. It is displayed if the time lock periods do apply for OTM codes („on") or not apply („off").

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

```
        ⌂
   TL LOCK
      OFF
```

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.15 Enabling/disabling Non Return Time Delay - Submenu NRTD cit

Ex factory, the Non Return Time Delay does apply for OTM codes as well. If the Non Return Time Delay shall not apply for OTM codes, set this setting to „**OFF**".

Example: The lock is used in bank mode with NRTD set. The OTM codes are used for exceptional openings, that need to be approved by a headquarter.

Authorization: **Master Code**

1. Select submenu „**NRTD cit**".

```
        ⌛
    NRTD
      cit
```
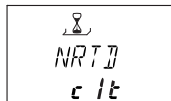
2. Press the **<ENTER>** key. It is displayed if the Non Return Time Delay is enabled („on") or disabled („off").

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.
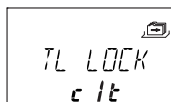
```
        ⌂
    NRTD
      ON
```

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

6.4.5.16 Display the current time - Submenu TIME cit

A configured OTM mode is displayed with the message „IDENTIF". If the display shall indicate the current time as well, switch this setting to „**ON**".

Example: The time lock is valid for OTM as well (➔ *Enabling/disabling Time Lock for OTM - Submenu TL LOCK cit on page 96*). Show the current time so that the user can compare to the time lock setting.

Authorization: ***Master Code***

1. Select submenu „**TIME cit**".

```
 TIME
  cit
```

2. Press the **<ENTER>** key. It is displayed if the current time is displayed („on") or not displayed („off").

3. Select either „**ON**" or „**OFF**" by toggling with the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

```
 TIME
  ON
```

4. In the upcoming dialogue select „**YES**" using the **<LEFT>** or **<RIGHT>** key, then press the **<ENTER>** key to confirm.

7 Servicing

7.1 Cleaning

If necessary, clean the outside of the Input Unit with a soft, damp cloth and a mild household cleaning agent.

⚠️ **Warning!**
• On no account use any cleaning agents, which contain solvents or other aggressive substances.
• Ensure that no liquid comes into contact with the Input Unit.

7.2 Replacing the batteries

The Input Unit is powered by three **1.5 Volt ALKALINE batteries or 1.5 Volt Lithium batteries (type AM3, AA)** with a service life of approximately 1 to 2 years (about double with Lithium batteries).

Batteries must be replaced once the „battery low" symbol appears in the display, at least if the text prompts „CHANGE BATT". The lock remains fully operational until the battery voltage drops below the value required for correct operation.

Proceed as follows:
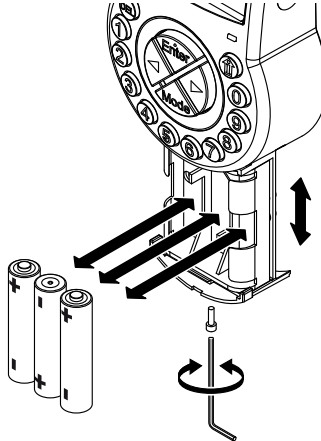
1. Undo the screw of the battery compartment on the bottom side of Input Unit.

2. Carefully slide out the battery compartment until it comes to a stop.

3. Replace old batteries by 3 new ones of the same type (3x AA mignon, Alkaline or Lithium type). **Observe polarity** (see polarity markings in receptacles).

⚠ **Warning!**
If the Lock is without power the internal clock will cease and reset to the last clock hour. All other settings are saved in the power-failure proof memory of the Input Unit. To set time and date anew follow the description on page 59 (➔ Menu TIME).

4. As soon as the batteries are inserted a test routine is initiated. The following displays appear successively (version display may vary) and the „BEEP signal" sounds:

888:88	VER 23 91800	BAT-CMP ⚠ OPEN

5. Close the battery compartment and fix it with the screw. Wait until the error message „BAT-CMP OPEN" reappears again.

WAIT 00:10	WAIT 00:00	BAT-CMP ⚠ OPEN
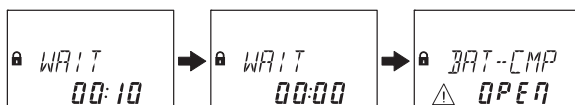
6. Confirm the message by entering the Master Code or one of the Manager Codes. The lock opens and closes again after the set opening time. The Lock is in normal operating mode.
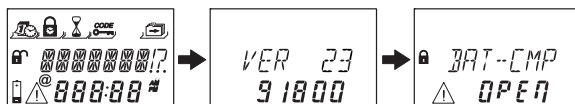
OPEN	LOCKED 11:11

If no reaction on Master Code or Manager Code: close lock **with door open**.
If still no reaction: wait 2 minutes and enter Master Code or Manager Code again.

❗ **Important!**
Do not dispose of used batteries in domestic waste. Please return used batteries to the vendor or dispose of the batteries according the applicable local regulations.

7.3 Customer Service

Should any functional errors or operating problems occur, please contact your safe supplier (➔ refer to rear cover of this manual for contact details).

7.4   Spare parts and accessories

Following items are available:

Accessories	Part number
Power supply 230V -> 12V for Axessor eBox: - Model number: FW7599/EU/12	302.012
Axessor eBox (full kit)	528BX-S
Power supply 230V -> 5,9V for Axessor CIT lock: - Model number: FW7600/06	52xVDC6
AS280-INSW Axessor Installation Software	AS280-INSW **
Axessor Software AS284-W for programming via network	AS284-NETW
Axessor Software AS284-W for programming via USB connection	AS284-USBW
Spare parts	
Axessor CIT lock unit (model number: 3582705302)	AXESSOR-CITLOCK
Axessor CIT input unit (model number: 3310300311)	AXESSOR-CITIU
Battery compartment for Axessor input unit	52x BAT-S
Spare Administrator dongle for Software AS284-W	AS284-AW**
Spare Operator dongle for Software AS284-W	AS284-OW**
Spare Installer dongle for Software AS280-W	AS284-INSW**
Axessor installation kit	52x INST-S
Installation kit for Axessor CIT eBox	528BX-INST
Connector for Axessor CIT eBox	528BX-PLUG
USB data cable 1.8 m	1364-8
Connection cable lock/input unit/eBox, 55 cm	52x+CAB55
Connection cable lock/input unit/eBox, 120 cm	52x+CAB120
Connection cable lock/input unit/eBox, 200 cm	52x+CAB200

** Note on AS284-AW, AS284-OW and AS280-INSW: all USB dongles are also available as licence file on request (e.g. for virtual environments). The appropriate part numbers in this case are AS284-AWV, AS284-OWV or AS280-INSWV.

8 Error messages

Operating errors, false entries or possible defects can result in error messages. Their significance and most possible cause are described in table below.

Display	Menu	Submenu	Cause
BAT-CMP OPEN			Battery compartment has been opened.
LINE OFF			Connection between lock and Input Unit is interrupted.
ID ERR	CODE	MASTER MANAGER USER COURIER	ID is not „00" ID is not „10", „20", „30" or „40" ID is not „11...19", „21...29", „31...39" or „41...49" ID is not „90"
REFUSED	CODE	MASTER MANAGER USER COURIER	Code modification: Code entered did not match the code entered first.
REFUSED 02			Unknown command. Desired function not available. Installed components not compatible. Call vendor for technical support.
REFUSED 04	PROG	IMM-TL	No Weekly Locking Period programmed.
	after confirmation of an entry in Programming Mode		Lock is closed (programming possible with lock open only!)
REFUSED 08	TIME	DATE	• Invalid date (e.g. Sep 31st). • Date out of limit (Jan 1st 2002 until Dec 31st 2099).
	PROG	WEEK	Time window too long (max. 6 days, 23 hours, 59 minutes).
	PROG	HOLIDAY	• Time window too long (max. 35 days) • End date before start date • Invalid date (e.g. Sep 31st) • Date out of limit (Jan 1st 2002 until Dec 31st 2099)

Display	Menu	Submenu	Cause
REFUSED 16	PROG	WEEK	Minimum interval (pause) of 1 day until start of next Weekly Locking Period ignored. Also observe delay / confirm window limits.
	PROG	HOLIDAY	Minimum interval (pause) of 1 day until start of next Weekly Locking Period ignored. Also observe delay / confirm window limits.
	PROG	DELAY	Observe delay / confirm window limits in relation to Weekly and Holiday Locking Periods. The minimum time period is calculated by adding the confirmation window plus one minute to the bigger value of the two delay times (time delay or duress time delay).
REFUSED 32	PROG	WEEK	Memory full (max. 35 Weekly Locking Periods)
	PROG	HOLIDAY	Memory full (max. 22 Holiday Locking Periods)
REFUSED 64			Unexpected data error. Try again. Call vendor for technical support if error keeps re-appearing.
REFUSED 128			Lock is no longer in programming mode (only menu navigation but no data sent to lock for >5 minutes).
MOT FLT			Motion Fault during bolt movement. • Reboot unit by removing batteries for one hour and inserting new batteries. • Check if bolt movement is smooth or if bolt is mechanically blocked • Call vendor for tech support (replace lock)

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Display	Menu	Submenu	Cause
HDW FLT			Hardware fault: Proceed as with MOT FLT.

If multiple causes lead to multiple error messages „REFUSED xx", the error numbers will be added.

Examples:
REFUSED 12 = REFUSED 04 + REFUSED 08
REFUSED 50 = REFUSED 02 + REFUSED 16 + REFUSED 32

9 Technical data

9.1 Functions

Code functions	
Code format	**ID (2-digit) + PIN (6-digit)**
Code types	**1 Master Code** (8 digits) bearer: e.g. Safety Officer, Head of Security, etc. Note: can open alone in Dual Mode. Note: Can be set to „cannot open" with AS284-US-BW or AS284-NETW Programming Software.
	4 Manager Codes (8 digits each) bearer: e.g. Head Cashier, Shift Manager, etc. Note: Can be set to „cannot open" with AS284-US-BW or AS284-NETW Programming Software.
	36 User Codes (8 digits each, subordinated in 4 groups of 9 each to the respective Manager Code) bearer: e.g. Cashier, Sales Assistant. Note: User Codes 48 and 49 can be set to disable/enable lock opening with AS284-USBW or AS284-NETW Programming Software
	1 Courier Code (8 digits, opening permission without opening delays) bearer: e.g. auditor, CIT (Cash In Transit service provider), etc. Note: opens alone in Dual Mode. Note: can be set to „not open but Skips Time Delay for next opening" with AS284-USBW or AS284-NETW Programming Software
Code options	**Duress Code** (can be performed by any code, if function is activated).
	Dual Mode (two codes needed) Note: Master Code and Courier Code can open alone.
	Code denial (individual codes or entire code groups can be admitted/disabled).

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Time functions	
Date / Time	Continuous calendar until 2099.
Summer/winter time (Daylight Saving Time)	Algorithm (e.g. last Sunday in May), Note: requires AS284-USBW or AS284-NETW Programming Software.
Locking periods	35 Weekly Locking Periods (repeated weekly, each up to 7 days long). 22 Holiday Locking Periods (date-related, each up to 35 days long, can be defined as yearly repeatable).
Immediate Time Lock	Locking with immediate action for a selectable duration (max. 144 hours).
Time Delays	4 Time Delays for bank mode (each programmable from 0...99 min). • Time Delay 1: valid for Master, Manager 1 and User 11...19 • Time Delay 2: valid for Manager 2 and User 21...29 • Time Delay 3: valid for Manager 3 and User 31...39 • Time Delay 4: valid for Manager 4 and User 41...49 1 Time Delay for one time code mode
Duress Time Delays	4 Duress Time Delays for bank mode (99 min). • Duress Time Delay 1: valid for Master, Manager 1 and User 11...19 • Duress Time Delay 2: valid for Manager 2 and User 21...29 • Duress Time Delay 3: valid for Manager 3 and User 31...39 • Duress Time Delay 4: valid for Manager 4 and User 41...49 1 Duress Time Delay for one time code mode Note: Duress Time Delay can be changed with AS284-USBW or AS284-NETW Programming Software only
Confirmation Window	Programmable from 1...99 minutes
Non Return Time Delay	Once the lock has become closed, it cannot be opened for the set time period. Programmable from 0 (not active) to 99 hours with AS284-USBW or AS284-NETW Programming Software.

General	
Locking	After 6 seconds in bank mode or after 120 seconds in one time code mode. Programmable from 6 to 60 seconds for bank mode and from 6 to 120 seconds for one time code mode with AS284-USBW or AS284-NETW Programming Software. Manually: Upon pressing DEL key. After closing of bolt work.
Event memory	Approx. 10'000 event entries, protected against manipulation and power failure.
Shelve Function	Master Code can delete, respectively reset all codes, functions and settings back to factory default values at once.

9.2 Electronics

General	
Power supply	3 Alkaline or Lithium batteries 1.5 V LR6 (AA, AM3, E91), service life approx. 1-2 years (with 1 opening/ closing cycle per working day, no load on lock bolt)
Memory	Non-volatile (protected against power failure)
Display	Iconographic LCD with high contrast, display language user selectable (English, Dutch, French, German, Hungarian, Italian, Polish, Portuguese, Spanish and Turkish).
Keypad	Silicone keys (10 numeric, 4 function, 2 navigation keys).
Interfaces	
Outputs	2 potential free contacts for alarms (30VDC / 2A, 50VAC / 0.5A with resistive load). Output 1: Duress Alarm (factory setting) Output 2: Bolt or motor open (factory setting) With the Programming Software AS284-USBW or AS284-NETW the outputs can be programmed for different applications. For this, e.g. the following events are available: • Lock open • Door open • Active time delay • Active penalty time • Duress code entry • Battery compartment open • and more...
Inputs	Input 1 (signal-triggered 12VDC / 20mA): not programmed (factory setting) Input 2 (contact triggered): not programmed (factory setting) With the Programming Software AS284-USBW or AS284-NETW the inputs can be programmed for different functions, e.g.: • Remote activation - remote disabling • Door contact, interruption of delay time - override non return time delay • etc. Note: not all events can be assigned to the inputs.
USB	Connection to a computer for configuration with AS284-USBW or AS284-NETW Programming Software
Axessor CIT bus	To connect external power supply or eBox

9.3   Mechanics

Lock	
Dimensions	85 x 61 x 33 mm
Weight	495 g
Mounting	3 screws M6 (template see page 113)
Motor bolt	Dead bolt (optional: spring bolt)
Relocker	Integrated lock relocker
Cycle times	Opening/closing approx. 2 seconds
Static resistance force	>1000 N in all directions
Moving force	Max. 5 N both directions
Environmental conditions	Operation: 0...+50°C / storage: -10...+60°C
Service life	>50 000 cycles
PCB designation	A21-P-01-05_L
Input Unit	
Dimensions	128 (193) x 90 x 40 mm
Weight	660 g (including connection cable and batteries)
Environmental conditions	Operation: 0...+50°C / storage: -10...+60°C / system of protection: IP53
PCB designation	A08-P-03-04
Option eBox	
Dimensions	78 x 51 x 26 mm
Weight	< 160 g
Environmental conditions	Operation: 0...+40°C / storage: -40...+70°C Humidity: 28% - 90% rel. hum., non-condensing

9.4   Approvals and Certificates

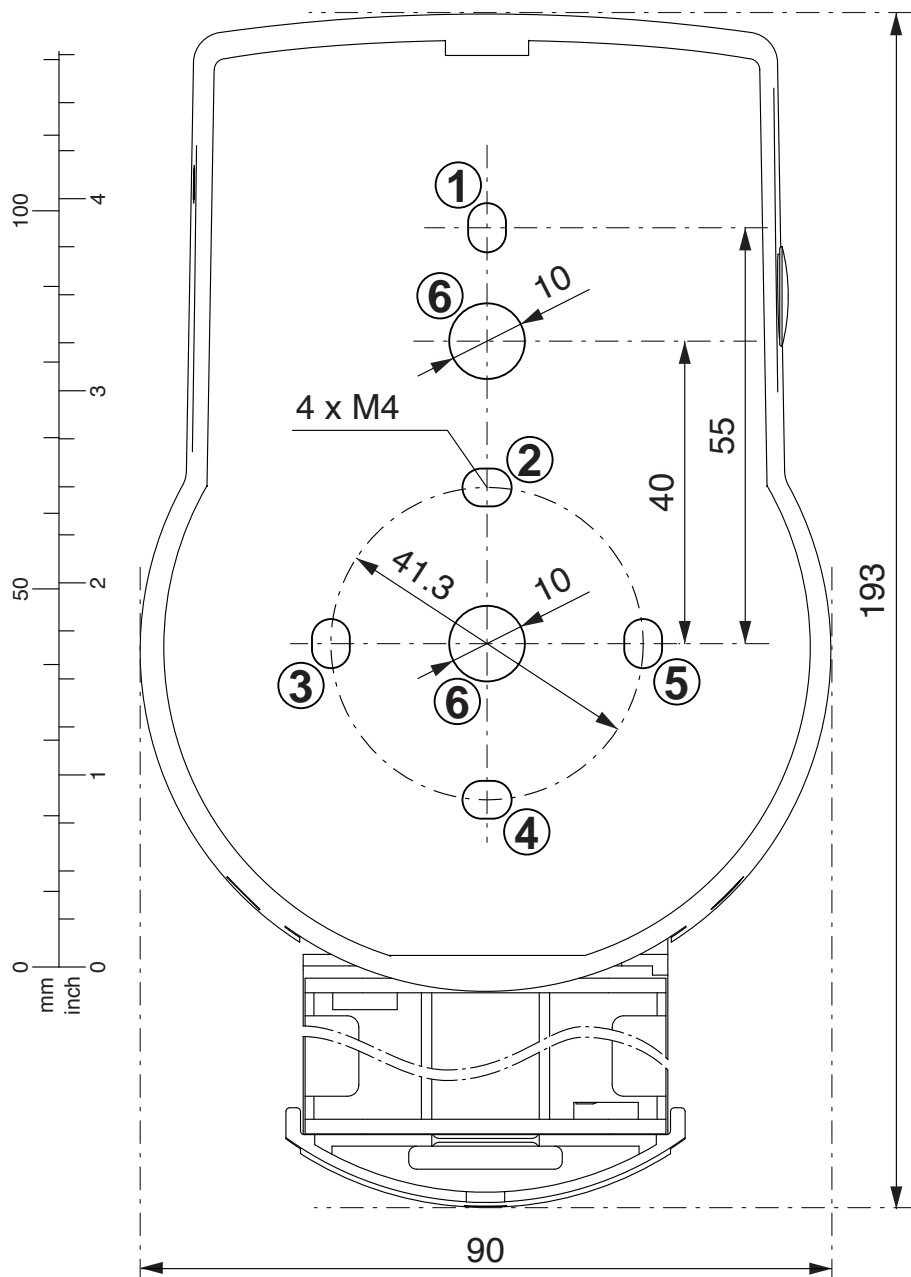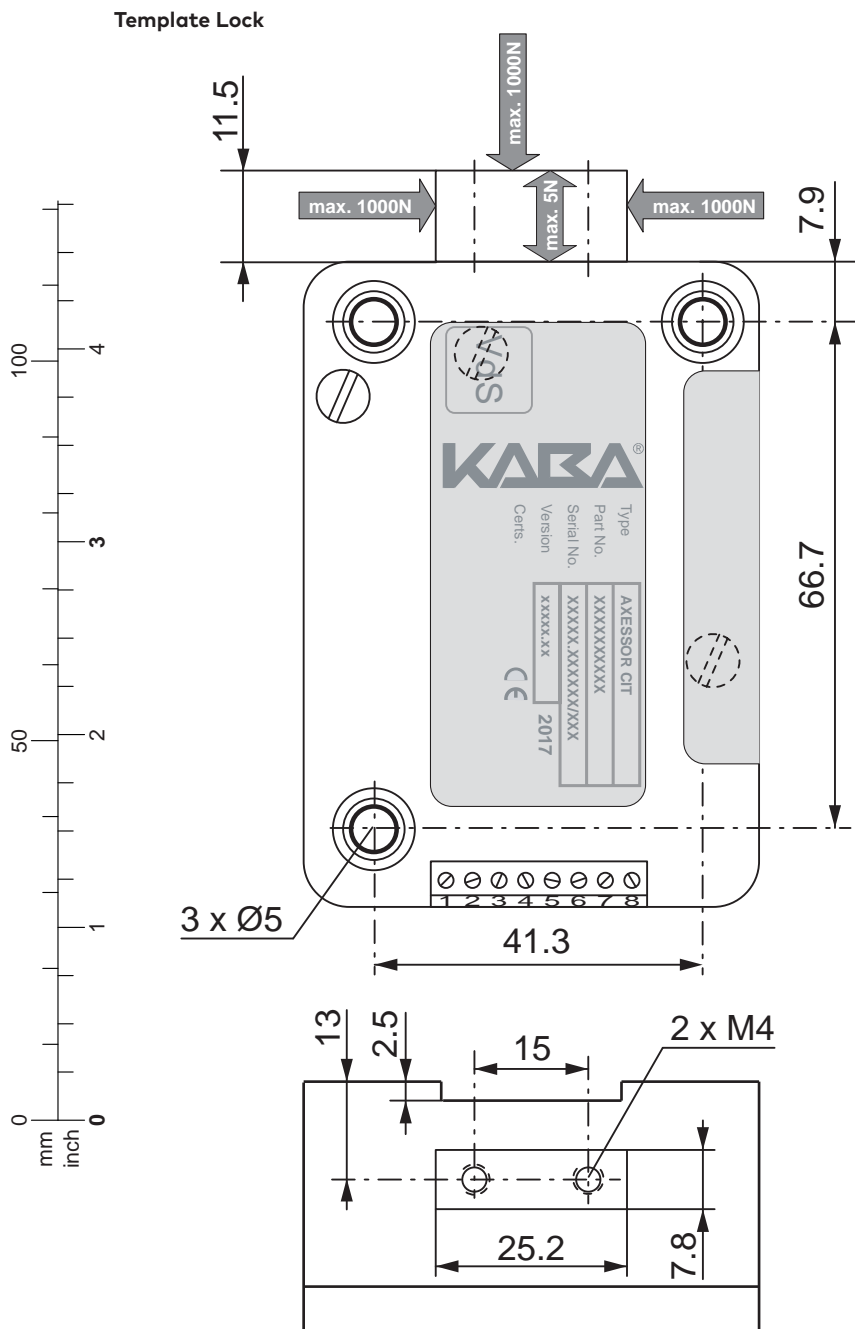| Test marks	CE
Patent No.	US 6,434,987 B1; EP 1 069 264 B1
VdS (VdS 2396)	Electronic high-security lock class 2, approval only valid if marked on lock.
ECB-S (EN 1300)	Electronic high-security lock level B, approval only valid if marked on lock.
Underwriter Laboratories (UL)	High security electronic lock type 1, approval only valid if marked on lock.
	Note: The audit features, the software features, features associated with peripheral devices and systems, optional interconnect devices and their associated features, features involving the use of user keys, the duress feature, monitoring features, remote features, one time code functionality and other additional features have not been evaluated by UL.
CNPP a2p	Level B/E, approval only valid if marked on lock.

9.5 Factory settings

Function/Setting	Factory setting	Can be changed with	
		Input Unit	AS284-USBW or AS284-NETW (opt.)
Display language *a)	English	✓	✓
Master Code	0 0 1 2 3 4 5 6	✓	✓
Master Code settings	can open	–	✓
Manager Codes (max. 4)	not activated	✓	✓
Manager Code settings	can open, can change TD, can change CONF, can act. IMM-TL	–	✓
User Codes (max. 4 groups of 9)	not activated	✓	✓
User Code settings	cannot activate IMM-TL	–	✓
Users 48,49 to disable/enable opening	not activated	–	✓
Courier Code	not activated	✓	✓
Courier Code settings	can open	–	✓
Duress Code entry	not activated	✓	✓
Dual Mode	not activated	✓	✓
Dual Mode setting	any two codes	–	✓
Dual Manager for Programming Mode	not activated	–	✓
Manager Cross Access User Codes	not activated	–	✓
Number of wrong codes until penalty	4	–	–
Penalty upon wrong code entries	5 minutes	–	–
Time Delays	0 minutes (deactivated)	✓	✓
Duress Time Delays	99 minutes	–	✓
Time Delay and Duress Time Delay settings	count down	–	✓
Confirmation Window	5 minutes	✓	✓
Non Return Time Delay	0 minutes (deactivated)	✓	✓

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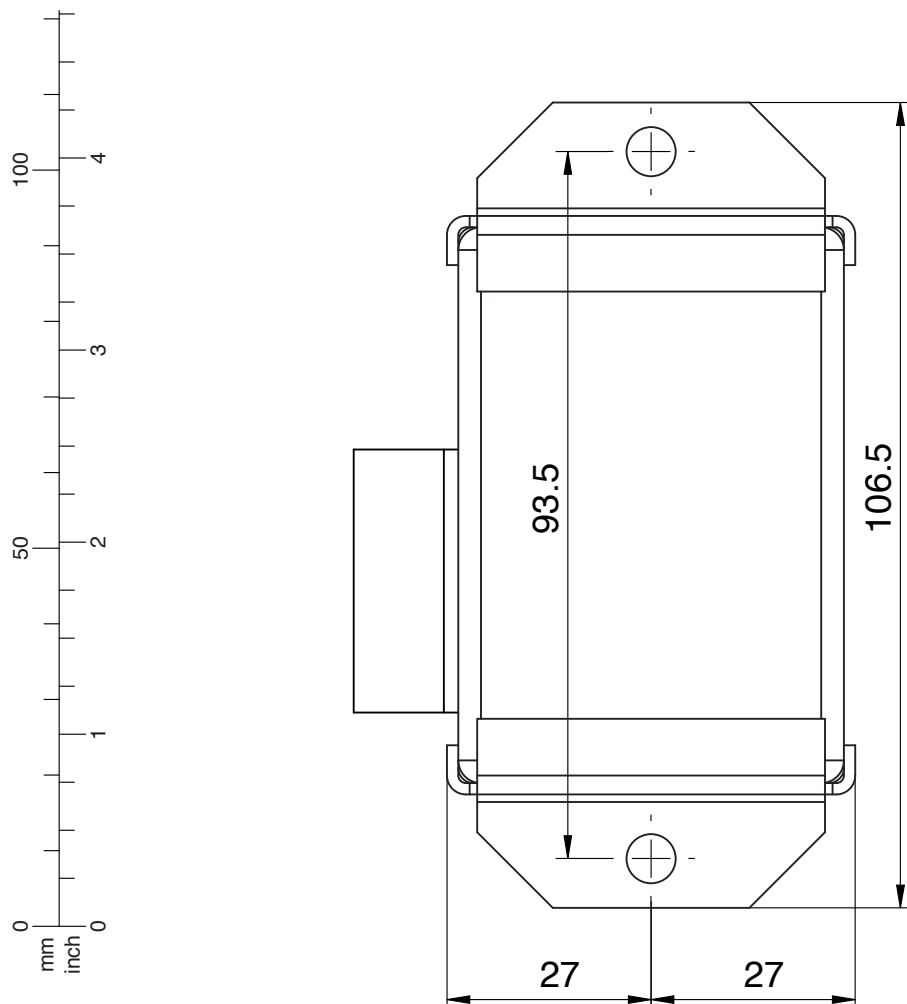| Function/Setting	Factory setting	Can be changed with	
		Input Unit	AS284-USBW or AS284-NETW (opt.)
Weekly Locking Period	not programmed	✓	✓
Holiday Locking Period / Repeated Holiday Locking Period	not programmed	✓	✓
Time lock override by opening period	not programmed	✓	✓
Show next open possibility	on	✓	✓
Date / time	01.01.2017 0:00	✓	✓
Time format (12/24hrs.)	24 hours	✓	✓
Summer/winter time (Daylight Saving Time)	not programmed	✓	✓
Remote disabling by Software	not activated	✓	✓
Input 1 *b) (connections 5 and 6)	Remote Disabling	–	✓
Input 2 *c) (connections 7 and 8)	not programmed (door contact, skip Time Delay, Time Lock interruption, ext. Input Event A – F)	–	✓
Output 1 *d) (connections 3 and 4)	Duress alarm	–	✓
Output 2 *d) (connections 1 and 2)	bolt or motor open	–	✓
Remote Disabling	not activated	✓	✓
Buzzer volume	high	✓	✓
Beep every 30 sec while lock open	on	✓	✓
Beep every 60 sec while (Duress) Time Delay counts	on	✓	✓
Beep every 60 sec while Confirmation Window counts	on	✓	✓

Remarks:
- *a) English, Dutch, French, German, Hungarian, Italian, Polish, Portuguese, Spanish and Turkish can be selected.
- *b) Input 1 is a signal sensitive (12V / 13mA).
- *c) Input 2 is contact sensitive.
- *d) Relay contacts 1 and 2 are working contacts (NO, normally open) with default factory settings.

Template Input Unit

Axessor CIT

Template Lock

Template eBox