

SMART ACCESS



KENTIX
Innovative Security

User manual

Safety instructions

- Kentix GmbH products may not be modified in any way other than as described in this manual.
- To avoid malfunctions, only original parts and original accessories should be used.
- The products must not be used for the closing of auxiliary means essential to life in an emergency. (e.g. defibrillator, emergency medications and fire extinguishers).
- The products must not be exposed to paint or acids.
- The instructions should be passed on to the user by the person carrying out the installation.
- Kentix does not accept any liability for damage to the door or components in the event of incorrect installation.
- No liability is assumed for incorrectly programmed units. Kentix shall not be liable for malfunctions, such as inability to gain access to injured persons, property damage or other damage.
- The suitability of the locking units in fire protection or
- Emergency exit doors must be checked in each case.

Safety instructions for battery-powered products

- Do not use products in potentially explosive atmosphere.
 - Only operate the products in the defined temperature range.
 - Installation and battery replacement may only be carried out by trained specialist personnel in accordance with the instructions.
 - Kentix accepts no liability whatsoever for damage to the unit or to components in the event of incorrect installation.
 - Protect the device from moisture, dirt and damage during transport, storage and operation.
 - Further information can be found online at docs.kentix.com.
- Disposal**
- Kentix would like to point out that according to ElektroG, Kentix appliances must be collected separately from unsorted municipal waste.
 - Used batteries must be removed from the old appliance at a collection point and disposed of separately before being handed over. Collection points for old electrical equipment are available for returning the batteries. The addresses can be obtained from the respective city or local authorities.
 - If the device to be disposed of contains personal data, the user himself is responsible for their deletion.

Use of the products, transport, storage

- Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
- Kentix accepts no liability whatsoever for damage to the unit or to components in the event of incorrect installation.
- Protect the device from moisture, dirt and damage during transport, storage and operation.
- Further information can be found online at docs.kentix.com.

Disposal

- Kentix would like to point out that according to ElektroG, Kentix appliances must be collected separately from unsorted municipal waste.
- Used batteries must be removed from the old appliance at a collection point and disposed of separately before being handed over. Collection points for old electrical equipment are available for returning the batteries. The addresses can be obtained from the respective city or local authorities.
- If the device to be disposed of contains personal data, the user himself is responsible for their deletion.

CE declaration of conformity

Kentix GmbH hereby declares that the equipment complies with the essential requirements and relevant provisions of Directives 2014/53/EU and 2011/65/EU. You can request the long version of the CE declaration of conformity from info@kentix.com.

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55743 Idar-Oberstein
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As of 08/2021

Further documentation at
docs.kentix.com

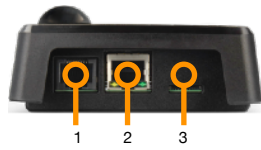
AccessManager [ART: KXP-16-B, KXP-16-W]



Intended Use

The AccessManager is intended for the administration of wireless DoorLock devices. The device also manages users and their permissions. When installing the AccessManager, certain levels of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.

Wiring diagram



1: System port
2: LAN (PoE)
3: SD-Card

Connection

For commissioning, connect the device to a PoE-enabled switch using a patch cable or to a switch without PoE using a PoE injector. A class 1 PoE switch is sufficient for operation. The device is maintenance-free. For setup information, visit docs.kentix.com.

Commissioning

After connecting, the device can be accessed via a browser under the following data:
IP-Address: 192.168.100.224
User: admin, Password: password

Accessories (included in delivery)

Mounting bracket, fixing material, patch cable

Technical data

Power supply via PoE:
12-72VAC/DC Power consumption approx. 1.5W, PoE Class 1
environmental conditions:
temperature 0 - 50°C, humidity 5-95%, non-condensing
Radio:
868 MHz, encoding AES 128 Bit

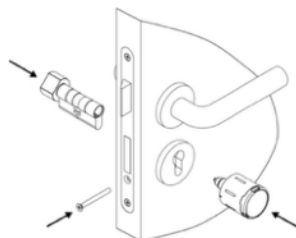
DoorLock-DC BASIC [ART: KXC-KN1, KXC-KN2]



Intended Use

The electronic knob cylinder is intended for installation in building doors and for locking and unlocking locks. Depending on the product version, the knob cylinder can be used both indoors and outdoors. The installation must only be carried out by qualified personnel.

Assembly plan



Installation

Insert the Kentix profile cylinder into the door and fix it with the supplied forend screw. Then push the electronic knob into the cylinder until the knob clicks into place.

Commissioning

A set of programming cards is required for commissioning. Refer to the back and docs.kentix.com for setup information.

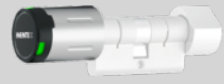
Accessories (included in delivery)

Battery change tool, programming card set, 2x Li-battery 3V

Technical data

Radio frequency: 868,3 MHz
Transmitting power: 1mW
RFID frequency: 13,56 MHz
RFID field strength: in accordance with EN 300 330
Batteries: 2 pieces, type CR2 Lithium 3V

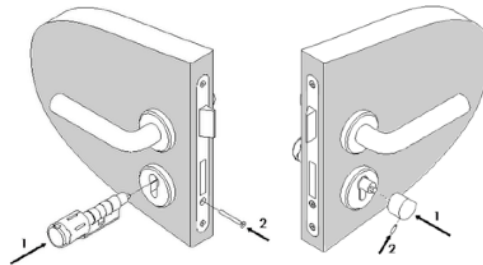
DoorLock-DC PRO [ART: KXC-KN4-IP55, KXC-KN4-IP66]



Intended Use

The electronic knob cylinder is intended for installation in building doors and for locking and unlocking locks. Depending on the product version, the knob cylinder can be used both indoors and outdoors. The installation must only be carried out by qualified personnel.

Assembly plan



Installation

Insert the cylinder housing together with the electronic knob into the lock and fasten them with the supplied forend screw. Place the mechanical knob on the end of the cylinder housing and secure it with the grub screw.

Commissioning

A set of programming cards is required for commissioning. Refer to the back and docs.kentix.com for setup information.

Accessories (included in delivery)

Battery change tool, programming card set, 1x Li-battery 3V, Allen wrench

Technical data

Radio frequency: 868,3 MHz
Transmitting power: 1mW
RFID frequency: 13,56 MHz
RFID field strength: in accordance with EN 300 330
Batteries: 2 pieces, type CR2 Lithium 3V

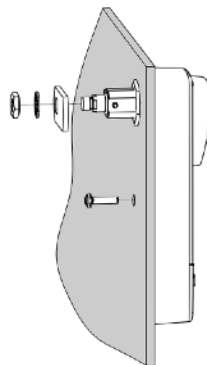
DoorLock-RA [ART: KXC-RA1]



Intended Use

The electronic cabinet lock is designed for installation in locker and cabinet doors made of wood, steel and aluminium with a thickness of up to 20 mm and for locking and unlocking locks. The cabinet lock is designed exclusively for indoor use. The installation must only be carried out by qualified personnel.

Assembly plan



Installation

Push the cabinet lock through the hole in the door and fix it with the aid of the fixing nut and fixing screw. Then fix the supplied locking lever and the lock washer with the fixing nut.

Commissioning

A set of programming cards is required for commissioning. Refer to the back and docs.kentix.com for setup information.

Accessories (included in delivery)

Battery change tool, programming card set, 1x Li-battery 3,6V

Technische Daten

Radio frequency: 868,3 MHz
Transmitting power: 1mW
RFID frequency: 13,56 MHz
RFID field strength: in accordance with EN 300 330
Batteries: 2 pieces, type CR2 Lithium 3V (ER14505M)

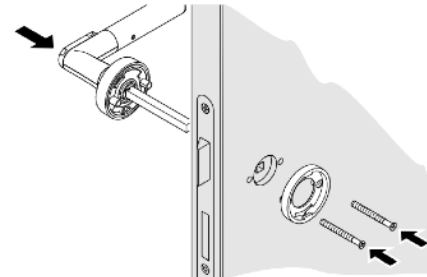
DoorLock-LE [ART: KXC-LE-R, KXC-LE-O]



Intended Use

The electronic lever handle is intended for installation in building doors and for opening locks. Depending on the product version, it can be used both indoors and outdoors. The installation must only be carried out by qualified personnel.

Assembly plan



Installation

Push the door lever through the door leaf and screw it together with the corresponding mount on the other side. Use the supplied fixing screws for this purpose.

Attach the mechanical lever handle and keep it horizontal. If the door handles point to the right, clamp the rosette to the left, guide it over the handle holder and allow the bayonet catch to engage. Tighten the rosette to the right for door handles pointing to the left. Screw the locking screw into the underside of the handle and tighten it firmly.

Commissioning

A set of programming cards is required for commissioning. Refer to the back and docs.kentix.com for setup information.

Accessories (included in delivery)

Allen key, square pin, fixing screws, 1x Li-battery 3V

Technical data

Radio frequency: 868,3 MHz
Transmitting power: 1mW
RFID frequency: 13,56 MHz
RFID field strength: in accordance with EN 300 330
Batterie: 1 piece, type CR2 Lithium 3V

DoorLock-LE with fitting

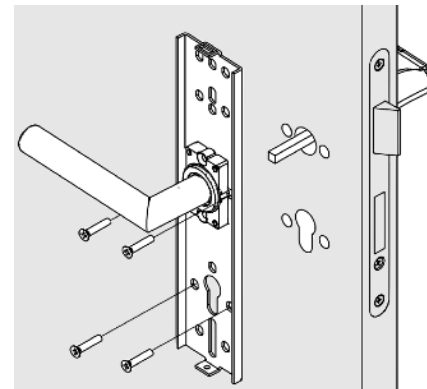
[ART: KXC-LE-FS, KXC-LE-FSB,
KXC-LE-FW, KXC-LE-FWB,
KXC-LE-FL, KXC-LE-FLB]



Intended Use

The electronic door fitting is intended for installation in building doors and for opening locks. Depending on the product version, it can be used both indoors and outdoors. The installation must only be carried out by qualified personnel.

Assembly plan



Installation

Insert the electronic lever handle spindle into the square socket of the lock.

Insert the base plate of the mechanical lever handle from the other side and screw it together with the electronic door lever. Use the supplied fixing screws and threaded bolts for this purpose. Place the plate cover on the door handle's base plate and unscrew the locking screw on the underside so that the plate is firmly seated. Screw in the locking screw on the underside of the mechanical door handle and tighten it firmly.

Commissioning

A set of programming cards is required for commissioning. Refer to the back and docs.kentix.com for setup information.

Accessories (included in delivery)

Allen key, square pin, fixing screws, 1x Li-battery 3V

Technical data

Transmitting power: 1mW
RFID frequency: 13,56 MHz
RFID field strength: in accordance with EN 300 330
Batterie: 1 piece, type CR2 Lithium 3V

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User manual

Teach-in DoorLock

DoorLock-DC BASIC [ART: KXC-KN1, KXC-KN2]



Prepare device

1. Remove the knob cover
2. Pull the lock out of the battery compartment

Setting up the programming card set

1. Hold the service key card (**yellow**) in front of the knob, **wait 5 seconds**.
2. Hold the service key card in front of the knob again to start the programming mode.
3. Hold the battery change card (**green**) in front of the knob, **wait 5 seconds**.
4. Hold the disassembly card (**blue**) in front of the knob, **wait 5 seconds**.
5. Hold the service key card (**yellow**) in front of the knob to complete the operation.



Functional test

1. Hold the service key (**yellow**) briefly in front of the knob to start the programming mode.
2. Briefly hold one or more user cards in front of them to program them.

3. Hold the service key in front of the knob to complete the operation.
4. Hold the programmed user card in front of the device.
If the installation has been completed, it must now be possible to open it.

Function test DoorLock BASIC (before installation)

In addition to testing with user cards, the battery change and disassembly cards should also be tested here for correct function:

1. Hold the battery change card (**green**) in front of the knob. The pins for the knob cover are released and can be pressed into the knob.
2. Hold the removal card (**blue**) in front of the knob. The knob moves to the disassembly position.
When the knob is attached to a profile cylinder, the locking lug of the cylinder rotates as well. The knob can be removed from the profile cylinder by turning and pulling slightly.

DoorLock-DC PRO

[ART: KXC-KN4-IP55, KXC-KN4-IP66]



Prepare device

1. Place the magnet on the marked area (round recess) of the thumb turn cover.
2. Remove the knob cover and insert the battery (type CR2).
3. Push the knob cover onto the knob until it reaches the rubber seal.
4. Place the magnet on the marking of the knob cover and push the cover on until it stops.

Set up service key

1. Hold the service key card (**yellow**) in front of the knob, **wait 5 seconds**.
2. Hold the service key card in front of the knob again to start the programming mode.



Functional test

1. Hold the service key (**yellow**) briefly in front of the knob to start the programming mode.
2. Briefly hold one or more user cards in front to program them.
3. Hold the service key in front of the knob to complete the operation.
4. Hold the programmed user card in front of the device.
If the installation has been completed, it must now be possible to open it.

DoorLock-RA [ART: KXC-RA1]



Prepare device

1. Insert the supplied battery (type ER14505) into the battery compartment.
2. Insert the battery compartment into the cabinet lock.

Set up service key

1. Press the white button on the cabinet lock.
2. Hold the service key (**yellow**) approx. 1 second in front of the cabinet lock.
The service key is now programmed.



Functional test

1. Hold the service key shortly in front of the cabinet lock to start the programming mode.
2. Briefly hold one or more user cards in front to program them in.
3. Hold the service key in front of the lock to complete the operation.
4. Hold the programmed user card in front of the device.
If the installation has been completed, it must now be possible to open it.

DoorLock-LE

[ART: KXC-LE-R, KXC-LE-O]



Prepare device

1. Push the enclosed battery (type CR123) into the handle or insert it into the battery holder and place the cover on the lever.
2. Screw the lever handle together with the supplied Allen key.

Set up service key

1. Hold the service key (**yellow**) approx. 1 second in front of the trigger to activate.
2. Hold the service key briefly in front of the lever again.
The service key is now programmed.



Functional test

1. Hold the service key (**yellow**) shortly in front of the trigger to start the programming mode.

2. Briefly hold one or more user cards in front to program them in.
3. Hold the service key in front of the lock to complete the operation.
4. Hold the programmed user card in front of the device.
If the installation has been completed, it must now be possible to open it.

Resetting the Components

Both the AccessManager and any of the Kentix DoorLock devices can be reset to factory defaults if required (e.g. misconfiguration). The AccessManager has a pushbutton that can be reached via the back of the housing (recess in the top right-hand corner).

To reset, please follow the instructions at docs.kentix.com.

To reset a DoorLock device, proceed as follows:

1. Hold the service key card (**yellow**) in front of the reading unit of the device and keep it held until the programming mode is automatically terminated (15 seconds). **Then wait 5 seconds.**
2. Hold the service key again in front of the reader unit and leave it in front of it. The DoorLock device emits short beeps to signal the deletion process.

Leave the service key card in front of the reading unit until the signaling stops.



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 - The products must not be used to seal vital aids (e.g. defibrillators, emergency medication and fire extinguishers).
 - The products must not be exposed to paint or acids.
 - The instructions should be passed on to the user by the person carrying out the installation.
 - Kentix accepts no liability for damage to equipment or components due to incorrect installation.
 - No liability will be accepted for incorrectly programmed units.
 - Kentix is not liable for malfunctions, material damage or other damage.
 - Do not use products in potentially explosive atmosphere.
 - Only operate the products in the defined temperature range.

- Use of the products, transport, storage**
- Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
 - Kentix accepts no liability whatsoever for damage to the unit or to components in the event of incorrect installation.
 - Protect the unit from moisture, dirt and damage during transport, storage and operation.
 - Further information can be found online at docs.kentix.com

- Disposal**
- Kentix would like to point out that according to ElektroG, Kentix appliances must be collected separately from unsorted municipal waste.
 - Used batteries must be removed from the old appliance at a collection point and disposed of separately before being handed over. Collection points for old electrical equipment are available for returning the batteries. The addresses can be obtained from the respective city or local authorities.
 - If the device to be disposed of contains personal data, the user himself is responsible for their deletion.

CE declaration of conformity
 Kentix GmbH hereby declares that the equipment complies with the essential requirements and relevant provisions of Directives 2014/53/EU and 2011/65/EU.
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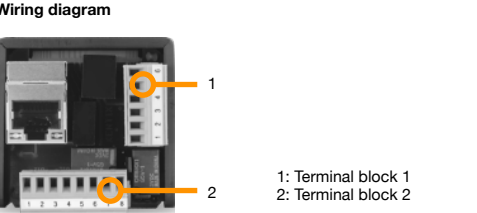
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 Carl-Benz-Straße 9
 55743 Idar-Oberstein
[kentix.com](https://www.kentix.com)

As of: 08/2021

Further documentation at
docs.kentix.com



Intended Use
 The IP SmartRelay module is designed to manage DoorLock devices connected via RS485 bus. The device also manages users and their permissions.
 When installing the SmartRelay module, certain degrees of protection must be ensured. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



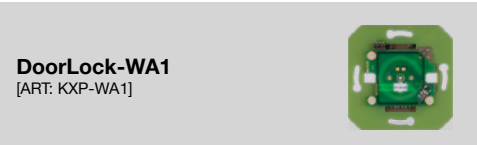
Terminal block 1		Terminal block 2	
PIN	Function	PIN	Function
1	24V/DC Out	1	GND
2	GND	2	DI-IN2
3	24V/DC Out	3	GND
4	GND	4	DI-IN1
5	RS485 Data B	5	Switch output 2 - NO/NC
6	RS485 Data A	6	Switch output 2 - COM
		7	Switch output 1 - NO/NC
		8	Switch output 1 - COM

Connection
 Connect the device to a PoE-enabled switch using a patch cable or to a switch without PoE using a PoE injector.
 A Class 3 PoE switch is required for operation. The device is maintenance-free. For setup information, visit docs.kentix.com.

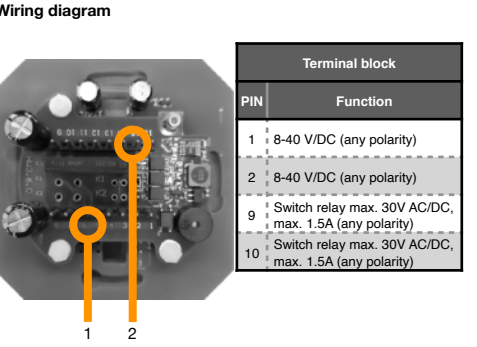
Commissioning
 After connecting, the device can be accessed via a browser under the following data:
 IP address: 192.168.100.224
 User name: admin
 Password: password

Accessories (included in delivery)
 patch cable

Technical data
 Power supply via PoE: Class 3,
 Environmental conditions:
 Temperature 0 - 60°C, humidity 5-95%, non-condensing



Intended Use
 The DoorLock-WA1 wall reader is intended for installation in a flush-mounted or cavity wall box inside buildings. The wall reader is used to open doors or locks via the AccessManager.
 When installing the DoorLock-WA1, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



1: Terminal block 1
 2: Terminal block 2

Installation
 Connect the wall reader to a suitable power supply via the terminal blocks. A door can be controlled via the reader's internal relay or via the AccessManager.

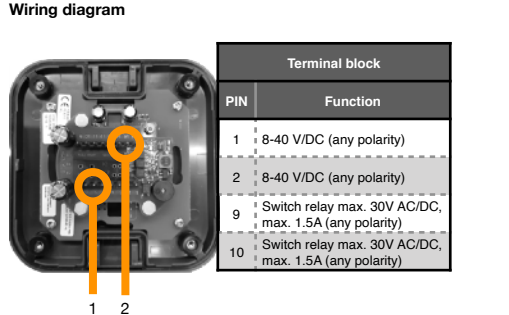
Commissioning
 A set of programming cards is required for commissioning. For setup information, visit docs.kentix.com.

Accessories (included in delivery)
 Programming card set, 2x terminal block

Technical data
 Radio frequency: 868,3 MHz
 Transmitting power: 1mW
 RFID frequency: 13,56 MHz
 RFID field strength: in accordance with EN 300 330
 Power supply: 8-40 V/DC



Intended Use
 The DoorLock-WA1 wall reader is intended for surface installation on walls on or in buildings. The wall reader is used to open doors or locks via AccessManager.
 When installing the DoorLock-WA1, certain degrees of protection must be ensured. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



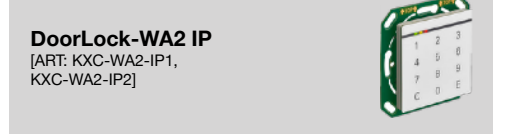
1: Terminal block 1
 2: Terminal block 2

Installation
 Connect the wall reader to a suitable power supply via the terminal blocks. A door can be controlled via the reader's internal relay or via the AccessManager.

Commissioning
 A set of programming cards is required for commissioning. For setup information, visit docs.kentix.com.

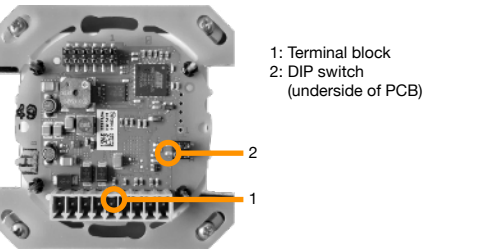
Accessories (included in delivery)
 Programming card set, 2x terminal block

Technical data
 Radio frequency: 868,3 MHz
 Transmitting power: 1mW
 RFID frequency: 13,56 MHz
 RFID field strength: in accordance with EN 300 330
 Power supply: 8-40 V/DC



Intended Use
 The DoorLock-WA2 IP is intended for installation in a flush-mounted or cavity wall box inside buildings. The wall reader is used to open doors or locks via the SmartRelay module.
 When installing the DoorLock-WA2 IP, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.

Wiring diagram



Terminal block		DIP switch	
PIN	Function	PIN	Function
1-5	-	1	Adress 1
6	RS485 Data A	2	Adress 2
7	RS485 Data B	3	-
8	8-30 V/DC	4	-
9	GND	5	baud rate
		6	-

Installation
 DIP switches must be set on the wall reader for communication with the IP SmartRelay module:
 DIP No. 5: ON (default setting)
 First reader on the SmartRelay module:
 DIP No. 1: ON, DIP No. 2: OFF
 Second reader on the SmartRelay module:
 DIP No. 2: ON, DIP No. 1: OFF

Then connect the wall reader via the terminal block to the corresponding terminal block on the SmartRelay module.

Commissioning
 Commissioning is carried out via the configuration of the SmartRelay module. For setup information, visit docs.kentix.com.

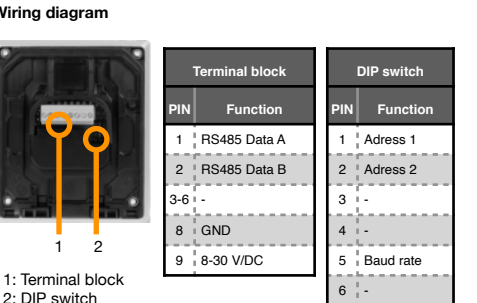
Accessories
 Housing cover

Technical data
 Interface: RS485
 Power supply: 8 to 30V
 Environmental conditions: Temperature -25 - 60 °C



Intended Use
 The DoorLock-WA3 IP is designed for installation in a flush-mounted or cavity wall box. Alternatively, a surface-mounted frame is available. The wall reader is used to open doors or locks via the SmartRelay module. The device can be used both indoors and outdoors.

When installing the DoorLock-WA3 IP, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



Commissioning
 DIP switches must be set on the wall reader for communication with the IP SmartRelay module:
 DIP No. 5: ON (default setting)
 First reader on the SmartRelay module:
 DIP No. 1: ON, DIP No. 2: OFF
 Second reader on the SmartRelay module:
 DIP No. 2: ON, DIP No. 1: OFF

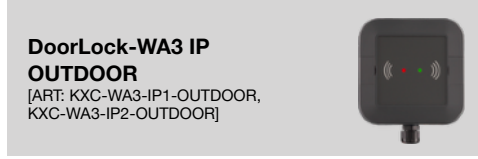
Then connect the wall reader via the terminal block to the corresponding terminal block on the SmartRelay module.

Commissioning
 Commissioning is carried out via the configuration of the SmartRelay module. For setup information, visit docs.kentix.com.

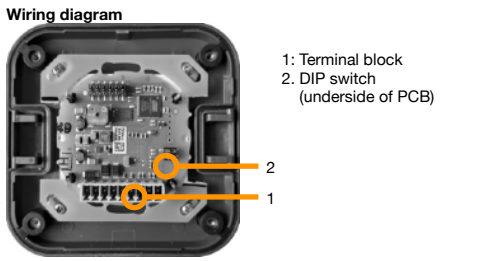
Accessories
 Surface-mounted frame (optional)

Technical data
 Interface: RS485

Power supply: 8 to 30V
 Environmental conditions: Temperature -25 - 60 °C



Intended Use
 The DoorLock-WA3 IP OUTDOOR is intended for surface installation on walls on or in buildings. The wall reader is used to open doors or locks via the SmartRelay module. The device can be used both indoors and outdoors.
 When installing the DoorLock-WA3 IP OUTDOOR, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



Terminal block		DIP switch	
PIN	Function	PIN	Function
1-5	-	1	Adress 1
6	RS485 Data A	2	Adress 2
7	RS485 Data B	3	-
8	8-30 V/DC	4	-
9	GND	5	Baud rate
		6	-

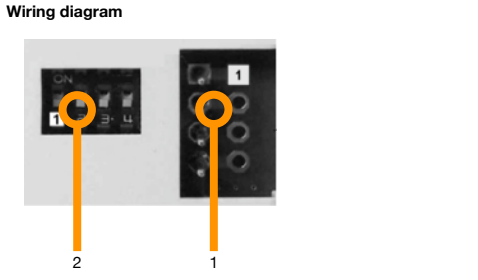
Installation
 DIP switches must be set on the wall reader for communication with the SmartRelay:
 DIP No. 5: ON (default setting)
 First reader on SmartRelay: DIP No. 1: ON, DIP No. 2: OFF
 Second reader on SmartRelay: DIP No. 2: ON, DIP No. 1: OFF
 Then connect the wall reader via the terminal block to the corresponding terminal block on the SmartRelay module.

Commissioning
 Commissioning is carried out via the configuration of the SmartRelay module. For setup information, visit docs.kentix.com.

Technical data
 Interface: RS485
 Power supply: 8 to 30V
 Environmental conditions: Temperature -25 - 60 °C



Intended Use
 The DoorLock-WA4-VDS is intended for installation in a flush-mounted or cavity wall box inside buildings. The wall reader is used to open doors or locks via the SmartRelay.
 When installing the DoorLock-WA4-VDS, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



1: Terminal block
 2: DIP switch

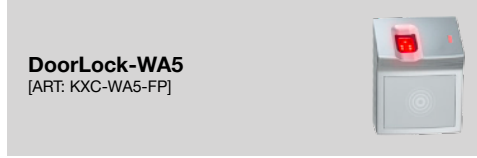
Terminal block		DIP switch	
PIN	Function	PIN	Function
1	RS485 Data A	1	Adress 1
2	RS485 Data B	2	Adress 2
3	GND	3	-
4	8-30 V/DC	4	-

Installation
 DIP switches must be set on the wall reader for communication with the IP SmartRelay:
 First reader on SmartRelay: DIP No. 1: ON, DIP No. 2: OFF
 Second reader on SmartRelay: DIP No. 2: ON, DIP No. 1: OFF

Then connect the wall reader via the terminal block to the corresponding terminal block on the SmartRelay.

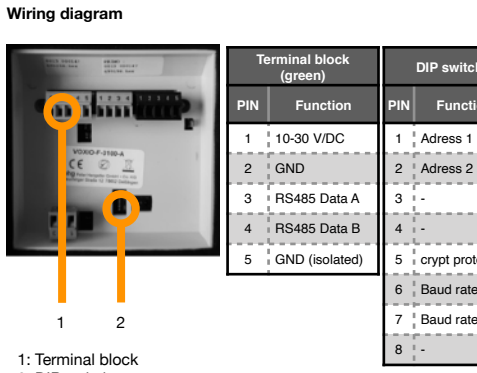
Commissioning
 Commissioning is carried out via the configuration of the SmartRelay module. For setup information, visit docs.kentix.com.

Technical data
 Interface: RS485
 Power supply: 8 to 30V
 Environmental conditions: Temperature -25 - 60 °C



Intended Use
 The DoorLock-WA5 is a wall reader for biometric fingerprint recognition. The wall reader is used to open doors or locks via the IP SmartRelay. The device can be used both indoors and outdoors.

When installing the DoorLock-WA5, certain degrees of protection must be guaranteed. Please observe the relevant regulations for installations in the respective environment. The installation must only be carried out by qualified personnel.



Installation
 DIP switches must be set on the wall reader for communication with the IP SmartRelay:
 First reader on SmartRelay: DIP No. 1: ON, DIP No. 2: OFF
 Second reader on SmartRelay: DIP No. 2: ON, DIP No. 1: OFF

DIP No. 5: ON (default setting)
 Set baud rate 19200 (Kentix default setting):
 DIP No. 6: ON, DIP No. 7: OFF

Then connect the wall reader via the terminal block to the corresponding terminal block on the SmartRelay.

Commissioning
 Commissioning is carried out via the configuration of the SmartRelay module. For setup information, visit docs.kentix.com.

Accessories (included in delivery)
 Programming card set

Technical data
 Interface: RS485
 Power supply: 8 to 30V
 Environmental conditions: Temperature -25 - 60 °C