

# DoorLock-WA3-OUTDOOR wall reader - MANUAL



## Legacy product

This product is no longer available. The documentation is still available as an archive.

## ORDER-CODES:

[KXC-WA3-OUTDOOR-IP1](#), [KXC-WA3-OUTDOOR-IP](#)

Replaced by: [KXC-WA3-V2-OUTDOOR-IP1](#), [KXC-WA3-V2-OUTDOOR-IP](#)

[DATASHEET KXC-WA3-OUTDOOR-IP1](#), [KXC-WA3-OUTDOOR-IP](#)

The IP wall readers enable contactless unlocking of doors with an RFID chip and/or PIN code as two-factor authentication for models with an integrated keypad. The IP wall readers always consist of the actual wall reader and the Kentix [SmartRelay](#). The wall readers are connected using a [SmartRelay](#) and can then be connected to an AccessManager (KXP-2-RS)

via the Manager/Satellite mode. The wall reader is available in various designs for indoor/outdoor, surface-mounted/flush-mounted or for installation in intercom systems.

A Kentix AccessManager for cable readers (KXP-2-RS) is required to operate wall readers. Information about the relay and **circuit diagrams including examples** can be found here: [Kentix SmartRelay \(KXP-2-RS\)](#)

## Controls

### WA3 Outdoor View Front



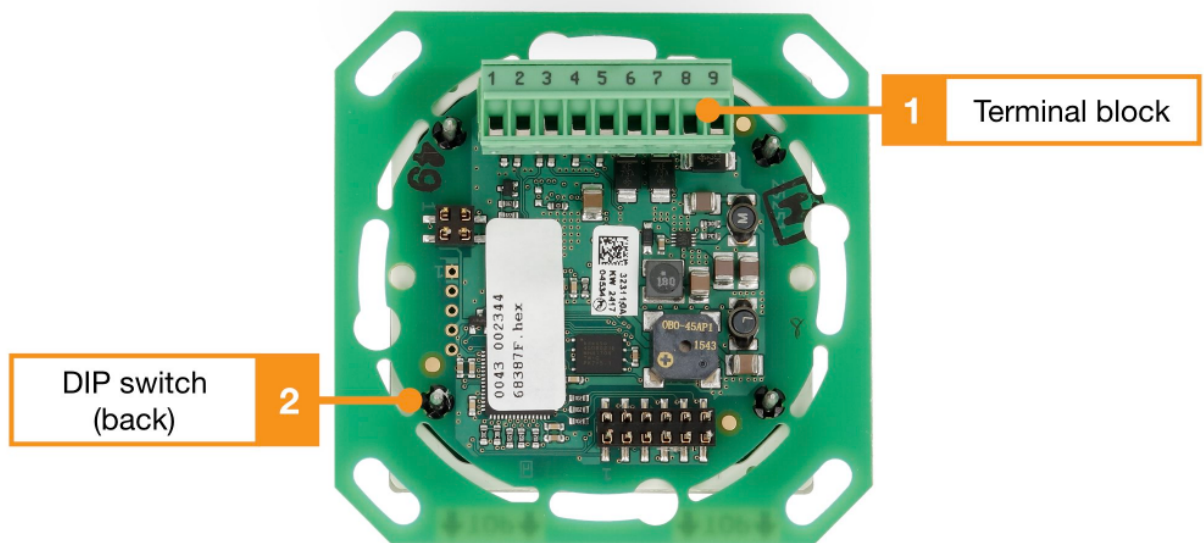
### WA3 Outdoor View Front

1. Integrated RFID reader, the entire surface serves as a reading surface
2. Housing screws, behind the black covers on both sides
3. Cable input, the cables are fed into the device here

### Functional elements front

1. Integrated RFID reader, the entire surface serves as a reading surface

### WA3 interior view



1. Terminal block 1, see wiring diagram
2. DIP switch for configuring the address

### Terminal assignment WA3 Outdoor

Clamp	Function
1	-
2	-
3	-
4	-
5	-

6	RS485 Data "A"
7	RS485 Data "B"
8	8-30 V/DC
9	GND

WA3 Outdoor Terminal assignment

### DIP switch WA3 Outdoor and WA2

DIP switch	Function
1	Address 1 (1=ON, 2=OFF)
2	Address 2 (1=OFF, 2=ON)
3	-
4	-
5	Baud rate (5=ON)
6	-
7	-
8	Terminating resistor*

WA3 Outdoor DIP switch

\*The terminating resistor is required from a cable length of 500m.

## Connection example

### One or two wall readers with door contacts and external door openers

Terminal 2 on the AccessManager provides communication via the data bus and the supply of operating voltage for the wall readers. (terminals 3-6). Terminal 2 serves as a common potential for the power supply of door openers with the PoE supply voltage of the AccessManager.

Terminal 1 is used for connection of potential-free contacts ("door contacts", terminals 1-4) and switching of door openers by relay 2 (5-6) and relay 1 (7-8). Relay 1 and 2 switch terminal 1 to terminal 2 to common potential (terminal2, terminal 2).

