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

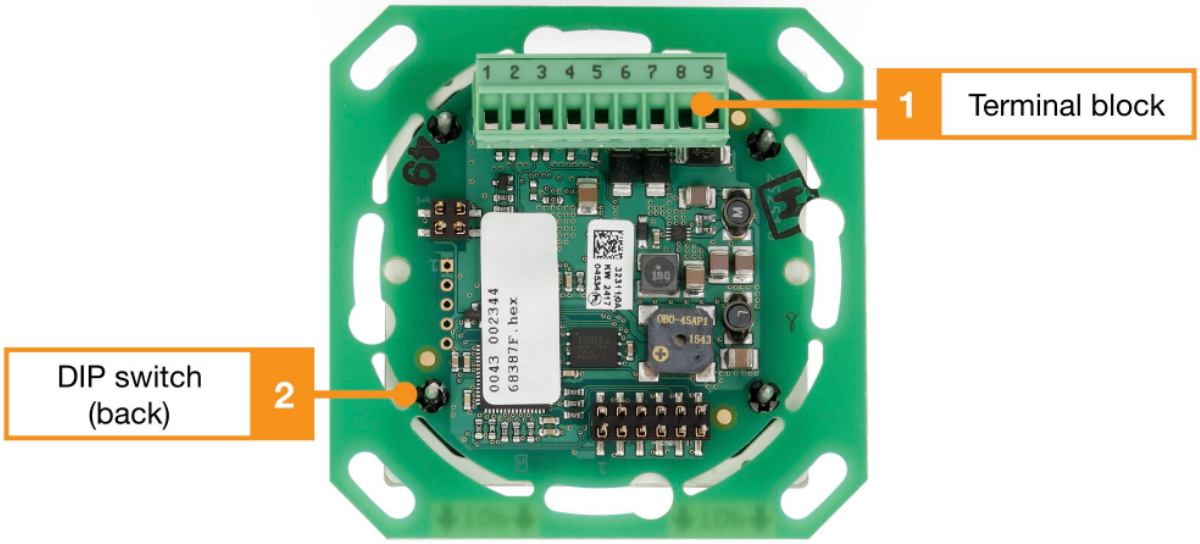
WA3 Outdoor View Front

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

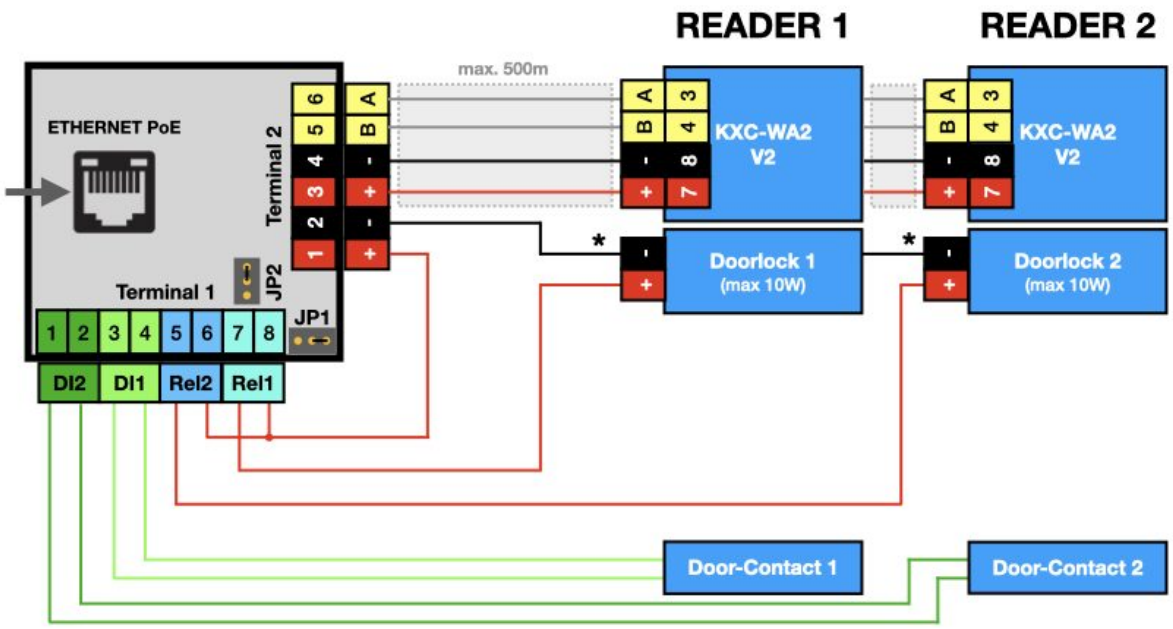
*The terminating resistor is required from a cable length of 500m.

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).



One or two WallReaders on one AccessManager

Commissioning two wall readers on one AccessManager
If two WallReaders are to be operated with one AccessManager, proceed as follows for commissioning:
Connect the first WallReader to the AccessManager. Add it in the main device with “DoorLock (IP)”. Only when the first WallReader has been put into operation, they connect the second device and add it as well.

User and access management

The administration of users and access rights is done on the main device of the installation with KentixOne.

All information about the software is available in the KentixONE section.