

Wall reader (bus) DoorLock-WA6 - MANUAL



ORDER-CODES:

[KXC-WA6-IP1](#), [KXC-WA6-IP2](#)

[DATASHEET KXC-WA6-IPx](#)

Overview

Kentix IP wall readers enable contactless control of doors with a MIFARE® DESFire® RFID chip. All electronics are located on a compact unit. Due to its compact design, the reader is particularly suitable for use with narrow metal profiles. The setup always consists of the actual wall reader and the connected Kentix [AccessManager](#). The wall reader is connected to the AccessManager via a 4-wire connection. The AccessManager itself connects directly to a Power over Ethernet (PoE) capable network switch. To control electric strikes/motor locks, the SmartRelay offers two relay outputs and, depending on the power class of the strikes, an

integrated PoE splitter with 24VDC output.

A Kentix AccessManager for Cable Reader (KXP-2-RS) is required to operate the frame reader. Information about the relay and **circuit diagrams including examples** can be found here: [AccessManager \(Bus\)](#)

Safety instructions

Installation

Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.

No modifications of any kind may be made to Kentix GmbH products, with the exception of those described in the relevant instructions.

When installing Kentix devices, certain degrees of protection must be guaranteed.

Observe the relevant regulations for installations in the respective environment.

Only operate the products within the defined temperature range.

The instructions should be passed on to the user by the person carrying out the installation.

Kentix accepts no liability for damage to the devices or components caused by incorrect installation. Kentix accepts no liability for incorrectly programmed units.

Kentix accepts no liability for faults, material damage or other damage.

Use of the products, transport and storage

Protect the device from

moisture, dirt and damage during transportation, storage and operation.

Battery powered products

Do not use the products in potentially explosive atmospheres.

Only operate the products within the defined temperature range.

Installation and battery replacement may only be carried out by trained specialist personnel in accordance with the instructions.

Do not charge, short-circuit, open or heat batteries.

Observe the correct polarity when inserting the batteries.

The devices must always be operated with the batteries intended for the product.

When changing the batteries, always replace all batteries.

Dispose of old or used batteries properly.

Keep batteries out of the reach of children.

Maintenance

Kentix devices must be checked for functionality as part of annual maintenance.

Disposal

Electrical appliances and batteries must be disposed of separately from household waste.

Controls

KXC-WA6-IP Front panel



WA6-IP Front view

DIP switch rear side



WA6-IP DIP switch

DIP switch	Function
1	Address 1 (1=ON, 2=OFF)
2	Address 2 (1=OFF, 2=ON)
3	-

4	-
5	Baud rate(ON)
6	Terminating resistor

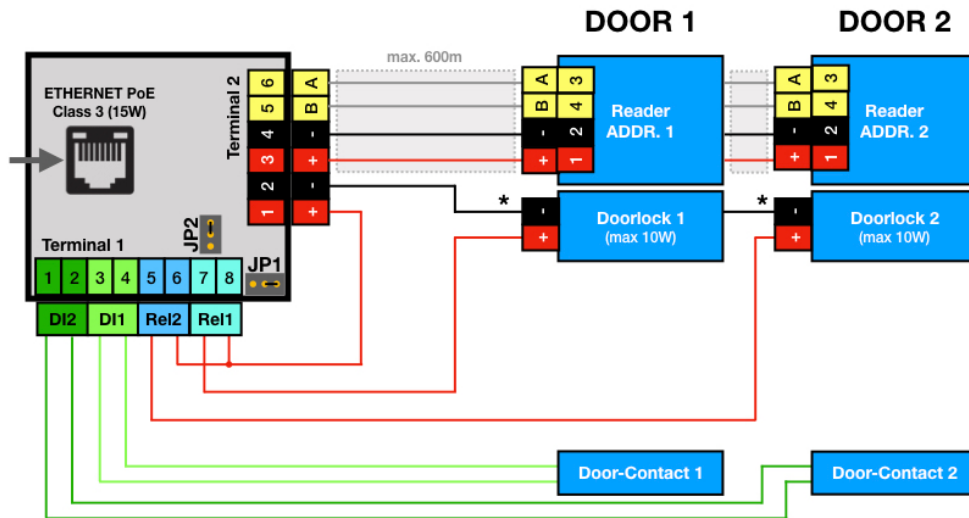
WA6-IP Table DIP switches

Terminal assignment

Clamp	Function
1	10-30V/DC, max. 3,5VA
2	GND
3	RS485 Data "A"
4	RS485 Data

WA6-IP Terminal assignment

Wiring



WA6-IP circuitry

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.

Signaling

Function	Signal and explanation
Wall reader is offline	LED flashes magenta
Access granted	short tone, LED flashes green
Access denied	short tone, LED flashes red
Zone is armed	3 long tones, simultaneously LED flashes 3x red

Zone is armed	LED flashes red regularly
Arming not possible	long tone, LED flashes red

Table signaling