# Wall-Mounted Reader (Bus) DoorLock-WA6 – USER MANUAL




ORDER-CODES:
KXC-WA6-IP1, KXC-WA6-IP2

DATA SHEET 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

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.

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

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.




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 | – |

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.

| | |
|---|---|
| 4 | – |
| 5 | Baud rate**(ON**) |
| 6 | Terminating resistor |

WA6-IP Table DIP switches

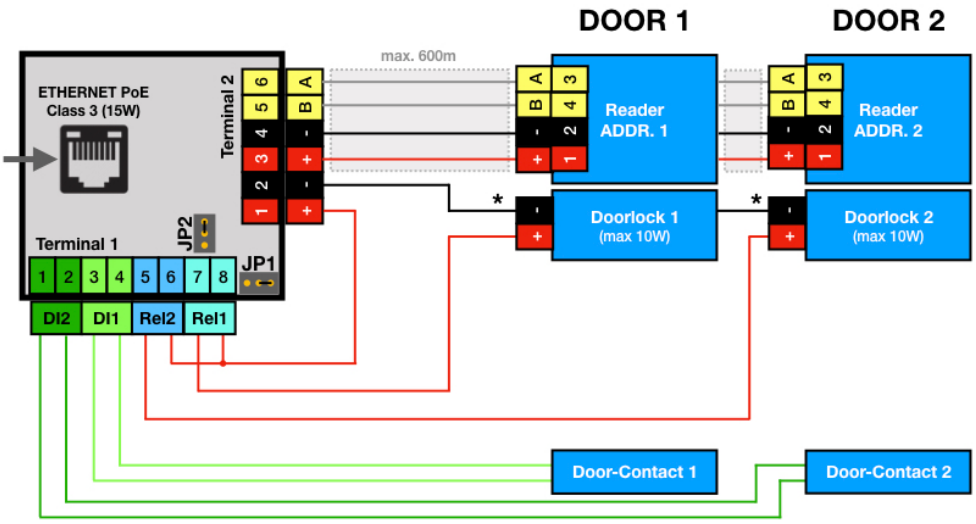
## Terminal assignment

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

WA6-IP Terminal assignment

## Wiring

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.




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 | The LED is flashing orange |
| 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 |

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.

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

Table signaling

© Kentix GmbH. This file was automatically generated on 2026-11-08 23:42:12. Please visit docs.kentix.com for the latest documentation.