MultiSensor-DOOR (BLE radio) – MANUAL



ORDER-CODES:
KMS-DOOR-B-BLE, KMS-DOOR-W-BLE

DATASHEET MULTISENSOR-DOOR

The MultiSensor-DOOR-BLE is a battery-operated MultiSensor that can be networked via radio. The sensor is particularly suitable for monitoring windows and doors, but can also be used for environmental monitoring in IT racks.

The MultiSensor-DOOR-BLE requires a suitable remote station for wireless operation. The network-capable MultiSensors (MultiSensor-LAN-BLE or MultiSensor-TI-BLE), which also act as a wireless Ethernet gateway, form this wireless remote station.

A SiteManager or AlarmManager in the MAIN-DEVICE operating mode is required for central management. Teach-in and configuration are performed entirely via the KentixONE web interface. The wireless range between the gateway (MultiSensor-LAN-BLE or MultiSensor-TI-

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.

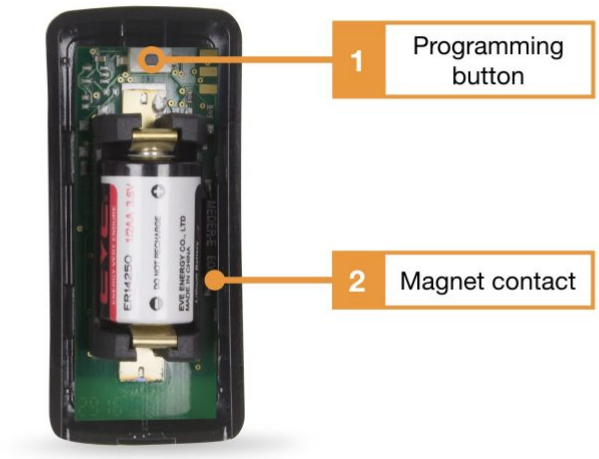
BLE) and MultiSensor-DOOR-BLE can be up to 20m. Up to 25 wireless sensors can be taught-in to a wireless Ethernet gateway.

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

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.



1. Teach-in key: This key is used to teach the device into the wireless network. To teach-in the sensor, start the teach-in process in the web interface of the manager and then press the teach-in button for 3sec. Press until a signal tone is heard
2. Magnetic contact

Opening the housing and changing the battery

The circuit board of the MultiSensor-Door is located in the upper part of the housing, which is plugged onto the lower part. To open the housing, press down the catch on the underside of the housing and slide the housing cover upwards. This can then simply be removed. Remove the battery from the holder and replace it with an equivalent type, see Datasheet.

The battery level of the MultiSensor-Door is constantly monitored by the manager. When the battery is low, an alert is sent via SMS and e-mail to all administrators. Then replace the battery as soon as possible.

Please note that a connection to a manager is required to operate the MultiSensor-DOOR. If the MultiSensor is not configured in KentixONE or the connection is interrupted, this will result in the battery discharging more quickly.
Please always store the MultiSensor-DOOR with the battery removed.

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.

Connect with radio network

1. MultiSensor-DOOR-BLE must be within radio range of a fully configured wireless Ethernet gateway (MultiSensor-LAN-BLE or MultiSensor-TI-BLE). It is recommended to carry out the teach-in process closer than the actual installation range, approx. 3-5m.
2. Start the teach-in process in the KentixONE web interface in the “Detail View” area via the “Add device” button.
3. Now press the teach-in button on the MultiSensor-DOOR-BLE for approx. 3 seconds with the battery inserted. After approx. 5-10 seconds, the MultiSensor-DOOR-BLE should be recognized as a new sensor.
4. Finally, carry out the configuration and place the MultiSensor-DOOR-BLE at the intended mounting location and connect it to the wireless network.

Assembly instructions

For optimal function, please observe the following instructions during installation:

Only install the MultiSensor-DOOR-BLE vertically or horizontally on the handle side of the door or window

To avoid false alarms, attach the MultiSensor-DOOR-BLE to the door or window frame and the magnet to the moving part

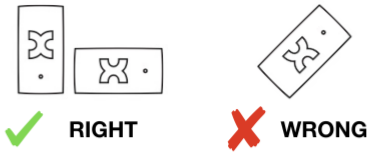
When using the reed contact, observe the maximum distance (1 cm) to the magnet

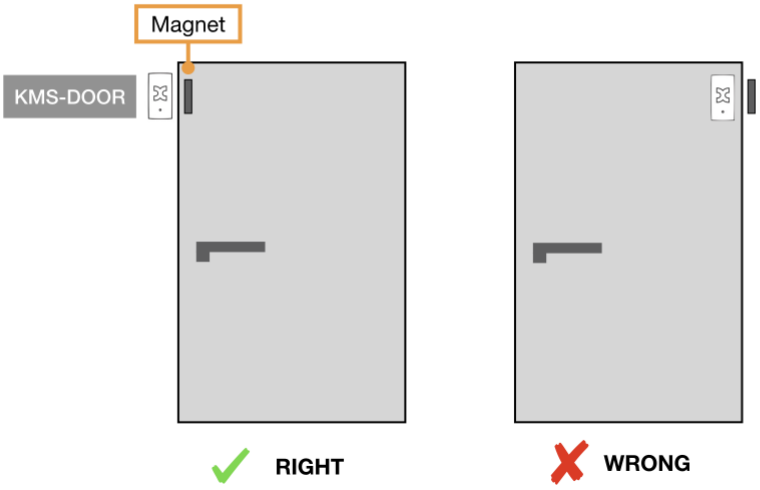
Only use suitable mounting material (foam tape)

If necessary, screw sensor housing to door / window frame

Kentix accepts no liability for false alarms or damage to the devices in the event of improper installation.

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.





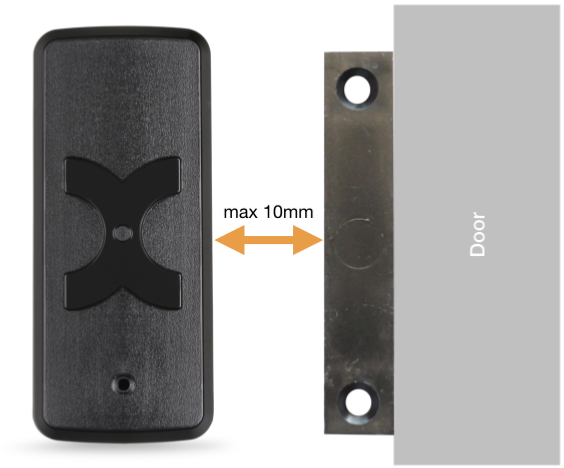


Use of the reed contact

The reed contact expands the MultiSensor-Door with an additional alarm contact for clear open/closed detection of door or window. The contact reacts to magnetic fields (magnet included). Wiring is not required for commissioning.
To ensure the functionality of the contact, make sure that the magnet is mounted at a

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.

maximum **distance of one centimeter** and aligned laterally to the housing of the MultiSensor.



Orientation of the reed contact

Depending on the design of the door or window, it may be necessary to underlay the magnet with a spacer so that the maximum distance to the sensor is not exceeded.

Configuration with KentixONE

The device is configured via the web browser in KentixONE. The device must be accessible to the central KentixONE instance on the network side. Depending on the device type, a communication key and the IP address or DHCP name of the central KentixONE instance must also be set on the device (MultiSensors, AccessManager, SmartPDU). IP cameras or IO modules, on the other hand, can be integrated directly into KentixONE.

All information about the software can be found in the KentixONE section and the associated documentation.

Before starting the configuration, make sure that the software on all network-compatible Kentix devices is up-to-date. The version status must match on all devices.
You can perform a software update for your KentixONE main instance and all connected satellites at any time via “System – Update”.

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.

Battery Maintenance Software

The battery maintenance function of the MultiSensor-DOOR must be enabled in the KentixONE configuration interface, version 8.6.0 or later. After the initial setup of the MultiSensor-DOOR and after every battery replacement, this function must be enabled to ensure trouble-free operation. To complete the activation, press the programming button once.

© Kentix GmbH. This file was automatically generated on 2026-11-18 17:27:04. Please visit docs.kentix.com for the latest documentation.