COQON Window Sensor Fensterkontakt Z-Wave FKABZ002 Manual

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COQON

Window Sensor Fensterkontakt Z-Wave

SKU: FKABZ002

Quickstart

This is a
secure
Alarm Sensor
for
CEPT (Europe).

Please make sure the internal battery is fully charged.

To add this device to your network execute the following action:
To add the product to the system, please follow the following steps. 1. Start the COQON App 2. Select “Device” then “Settings” and tap on “+” to add your Window Sensor 3. Select COQON 4. Follow the steps in the App

Please refer to the
Manufacturers Manual for more information.

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law.
The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material.
Use this equipment only for its intended purpose. Follow the disposal instructions.

Do not dispose of electronic equipment or batteries in a fire or near open heat sources.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.

This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.

Product Description

The COQON Window & Door Contact FKABZ002 is a battery powered wireless magnetic contact that gives you optimal control over your doors and windows.With this contact, you keep track of all windows and doors – even when you’re on the move.The window contact offers maximum security in your home and ensures safe protection against unauthorized access.He controls windows, doors or gates for you and can also control devices or smart scenes.Increase your comfort:In connection with a light control, for example, when entering the house, the lighting in the hallway can be switched on automatically.Feel safer:In the event of unauthorized access, an alarm is automatically triggered. At the same time you receive on request a push message.Protection class: IP20Battery life: up to 5 yearsControl of operation: Red LEDScope of delivery: Transmitter module and magnetic bracket incl. Batteries and mounting setDimensions: Magnetic angle: 55 x 15 x 12 mm, Transmitter module: 55 x 40 x 12 mmVersion: BasicPower voltage: 1x CR3032 lithium batteriesOperating temperature range: -15C to 85C (+/- 2.5C)Color: white RAL 9016Radio protocol: Z-Wave Plus

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state.** Please make sure to reset the device into factory default. You can do this by performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperable.

Factory reset: 1. Remove battery 2. Hold the Tamper3. Insert Battery 4. Release Tamper within 5 sec. Note: Please use this procedure only when the primary controller is missing or inoperable!

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs to be **added to an existing wireless network** to communicate with the devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Inclusion

To add the product to the system, please follow the following steps. 1. Start the COQON App 2. Select “Device” then “Settings” and tap on “+” to add your Window Sensor 3. Select COQON 4. Follow the steps in the App

Exclusion

To remove your device from the system, please start the exclusion process to exclude the device from the COQON App. The device will be reset.

Quick trouble shooting

Here are a few hints for network installation if things dont work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Dont poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association – one device controls an other device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a different device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are always related to certain events (e.g. button pressed, sensor triggers, …). In case the event happens all devices stored in the respective association group will

receive the same wireless command wireless command, typically a ‘Basic Set’ Command.

Association Groups:

Group NumberMaximum NodesDescription

1	5	Z-Wave Plus Lifeline

Technical Data

Hardware Platform	ZM5101
Device Type	Notification Sensor
Network Operation	Reporting Sleeping Slave
Firmware Version	HW: 0 FW: 1.01
Z-Wave Version	6.71.01
Certification ID	ZC10-18086206
Z-Wave Product Id	0x0140.0x0801.0x1001
Sensors	Open/Closed (Binary)
Outdoor Use	ok
Supported Notification Types	Access ControlHome Security
Firmware Updatable	Updatable by Consumer by RF
Security V2	S2_UNAUTHENTICATED
Frequency	XXfrequency
Maximum transmission power	XXantenna

Supported Command Classes

- Association Grp Info
- Association V2
- Battery
- Device Reset Locally
- Firmware Update Md V4
- Manufacturer Specific V2
- Multi Channel Association V2
- Notification V8
- Powerlevel
- Security 2
- Supervision
- Transport Service V2
- Version V2
- Wake Up V2
- Zwaveplus Info V2

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network. Controllers are typically Gateways,Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network. Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave device to announces that is able to communicate.
- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.