



COMAP In-Wall On/Off Switch Module LIZY0005 Manual

[Home](#) » [COMAP](#) » COMAP In-Wall On/Off Switch Module LIZY0005 Manual 

Contents

- 1 COMAP
- 2 In-Wall On/Off Switch Module
 - 2.1 SKU: LIZY0005
 - 2.2 Quickstart
 - 2.3 Important safety information
 - 2.4 What is Z-Wave?
 - 2.5 Product Description
 - 2.6 Prepare for Installation / Reset
 - 2.6.1 Reset to factory default
 - 2.6.2 Safety Warning for Mains Powered Devices
 - 2.7 Inclusion/Exclusion
 - 2.7.1 Inclusion
 - 2.7.2 Exclusion
 - 2.8 Quick trouble shooting
 - 2.9 Association – one device controls an other device
 - 2.9.1 Association Groups:
 - 2.10 Configuration Parameters
 - 2.10.1 Parameter 1: Basic Set Command value
 - 2.10.2 Parameter 2: The delaying time to report to Group 1:
 - 2.10.3 Parameter 3: Remember the last status
 - 2.10.4 Parameter 4: Switch 1 switching type
 - 2.11 Technical Data
 - 2.12 Supported Command Classes
 - 2.13 Controlled Command Classes
 - 2.14 Explanation of Z-Wave specific terms
 - 2.15 Related Posts

In-Wall On/Off Switch Module

SKU: LIZY0005



Quickstart

This is a

On/Off Power Switch
for
CEPT (Europe).

To run this device please connect it to your mains power supply.

To add this device to your network execute the following action:

1. Put the Z-Wave Controller into inclusion mode. 2. Press the link key three times within 1.5 seconds to put the unit into inclusion mode.

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 In-Wall On/Off Module is a Z-Wave enabled device which is fully compatible with any Z-Wave enabled network. Z-Wave enabled devices displaying the Z-Wave logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturers Z-Wave enabled networks. Inclusion of this unit on other manufacturers Wireless Controller menu allows remote operation of the unit and the connected load. Z-Wave node in the system also acts as a repeater, so the RF signal can reach its intended receiver by routing around obstacles and radio dead spots. The In-Wall On/Off Module is designed to control the on/off status of lighting and appliances load in your house. Two sets of dry contacts provide more wiring applications. For security, the unit can detect overheating and will turn off relay automatically to avoid damage. At 230V voltage, this module can support up to 2500W resistive, 1200W incandescent, 700W motor, or 320W (40W*8) fluorescent load.

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.

(This procedure should only be used when the primary controller is no longer operational.) 1. Press the link key three times within 1.5 seconds to put the unit into exclusion mode. 2. Within 1 second of step 1, press link key again and hold until LED is off (about 5 sec.). 3. Node ID is excluded, and the unit is returned to the factory default state.

Safety Warning for Mains Powered Devices

ATTENTION: only authorized technicians under consideration of the country-specific installation guidelines/norms may do works with mains power. Prior to the assembly of the product, the voltage network has to be switched off and ensured against re-switching.

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

1. Put the Z-Wave Controller into inclusion mode. 2. Press the link key three times within 1.5 seconds to put the unit into inclusion mode.

Exclusion

1. Put the Z-Wave Controller into exclusion mode. 2. Press the link key three times within 1.5 seconds to put the unit into exclusion mode.

Quick trouble shooting

Here are a few hints for network installation if things don't 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. Don't 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	1	Lifelineframe : groupingIdentifier + maxNodesSupported +reportsToFollow + nodeid1
2	4	On/Off control (Button1)frame : groupingIdentifier + maxNodesSupported +reportsToFollow + nodeid1 + nodeid2 + nodeid3 + nodeid4

Configuration Parameters

Z-Wave products are supposed to work out of the box after inclusion, however certain configuration can adapt the function better to user needs or unlock further enhanced features.

IMPORTANT: Controllers may only allow configuring signed values. In order to set values in the range 128 ... 255 the value sent in the application shall be the desired value minus 256. For example: To set a parameter to 200 it may be needed to set a value of 200 minus 256 = minus 56. In case of a two byte value the same logic applies: Values greater than 32768 may needed to be given as negative values too.

Parameter 1: Basic Set Command value

The Basic Set value.

Size: 2 Byte, Default Value: 255

SettingDescription

0 – 99	Dimmer Value
255	switch on

Parameter 2: The delaying time to report to Group 1:

delay for while second to send

Size: 1 Byte, Default Value: 3

SettingDescription

3 – 25	unit is second
--------	----------------

Parameter 3: Remember the last status

to setup remember the on/off last status if power applied 1: remember 0: do not remember

Size: 1 Byte, Default Value: 1

SettingDescription

0 – 1	remember or not
-------	-----------------

Parameter 4: Switch 1 switching type

setup the Switch Contact switch mode0: Single Pole Double Throw1: Toggle switch

Size: 1 Byte, Default Value: 0

SettingDescription

0 – 1	mode 1 or mode 2
-------	------------------

Technical Data

Hardware Platform	SD3502
Device Type	On/Off Power Switch
Network Operation	Always On Slave
Firmware Version	HW: 2 FW: 1.02:00.01
Z-Wave Version	6.51.02
Certification ID	ZC10-17025432
Z-Wave Product Id	0x0329.0x0004.0x0008
Switch Type	Push Button
Gateway Has Preferred Partners	ok
Firmware Updatable	Not Updatable
Electric Load Type	IncandescentLED
Communications Protocol	Z-Wave Serial API
Loads Controlled	2
Color	White
Supported Notification Types	System
Frequency	XXfrequency
Maximum transmission power	XXantenna

Supported Command Classes

- Association Grp Info
- Association V2
- Basic
- Configuration
- Device Reset Locally
- Firmware Update Md V2

- Manufacturer Specific V2
- Notification V4
- Powerlevel
- Switch All
- Switch Binary
- Version V2
- Zwaveplus Info V2

Controlled Command Classes

- Basic

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.