Smart Dimmer Switch 200W LED Item No. Eco.Dim-07





Zigbee/Z-Wave Switch Pow

To set a minimum dimming level

Indicates when reset finish

LED Indicator

Min. Bright Setting

Max. Bright Setting

Reset Button touchlink, factory reset of the dimmer. turn on/off load

The Smart Dimmer is a switch multi level device based on Z-wave Plus and Zigbee 3.0 protocol The Dimmer controller can be included and operated in certified Zigbee network and Z-Wave network from other manufacturers.

In addition, the LED dimmer has a wide range (0-200W LED), excellent dimmability and light stability (MIN and MAX adjustment) and all brands of cover material in NL & BE fit on the built-in element.

Suitable for> 90% of all (normal) dimmable LED lamps. Of course also to be used if you do not yet have an app or home automation system. The dimmer is delivered incl. Clear Dutch manual. In short, a very complete and unique product and a world first!



Dual mode AC phase cut dimmer based on latest ZigBee 3.0 and Z-Wave plus protocol Supports resistive loads and capacitive loads, Dimming from 0 to 200W(LED), max 300w for Inc. &

 Compatible with popular gateway products, such as Philips Hue, Amazon Echo Plus, Google Home Fibaro, etc.

 Without Neutral Required, suitable for retrofitted house. Supports the Over The Air (OTA) feature for the product's firmware upgrade.

Technical Data

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portant: Read All Instructions Prior to Installatio Installation Guide DO NOT expose the device to moisture.



PLEASE NOTE:

 This is a two-wire dimmer and service to be connected as shown in the diagram above 2. The installation of the dimmer on a mains current of 230V should be performed by a gualified professional, taking into account the national rules. Make sure that the electricity is in all work switched off

3. You can't connect more than one dimmer in parallel to operate the same charge from two points

2. Operation

1) Select the communication mode: When the power is off, turn the switch on the right side of the metal plate to your preference. Then turn on the Power.

2) Included the dimmer to Zigbee or Z-Wave network.

 Remove the device from previous zigbee network if it has already been added to, otherwise pairing will fail. Please refer to the part "Factory Reset Manually".

• Set primary controller/gateway into inclusion mode (If you don't know how to do this, Please refer 3. Setting to your primary controller's manual on how to turn your controller into inclusion mode). Power on the dimmer controller, press and hold down the reset button for over 4 seconds, it will set the dimmer controller into inclusion mode.

3) Excluded the dimmer to Zigbee or Z-Wave network.

There are two exclusion methods:

Method 1: Exclusion from the primary controller/gateway:

 Set the primary controller/gateway into exclusion mode (Please refer to your primary controlled) manual on how to set your controller into exclusion).

 Twice press the reset button, the dimmer will be set to exclusion mode, and waiting to be excluded, then the dimmer will be excluded from the network.

Method 2: Factory reset the dimmer will force it to be excluded from a network. (please refer to the part "Factory Reset" of this manual)

Note: Factory reset is not recommended for exclusion, please use this procedure only if the primary controller/gateway is missing or otherwise inoperable.

Factory Reset

Press and hold down reset button for over 4 seconds, the dimmer controller will be reset to factory defaults after the BLUE LED Indicator blink.

Reset Dimmer controller to factory default settings will sets the Dimmer to not in z-wave network state, delete the Association setting and restore the Configuration setting to the default. The Dimmer controller will start Smart Start Inclusion when it is

5) Z-Wave Smart Start Inclusion

 The Dimmer has a DSK string, you can key in first five digit to increment smart start process, or vou can scan QR code.

Ex: 65286-19008-32952-20593-44872-18102-41266-46651

 SmartStart enabled products can be added into a Z-Wave network by scanning the Z-Wave QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity Note: The QR code can be found on the back of the Smart dimmer.

6) OTA

The device supports firmware updating through OTA, and will acquire new firmware from zigbee controller or hub every 10 minutes automatically.

Fo make the cord dimmer work optimally, you can adjust the lamps optimally to the dimmer with the MIN and MAX adjustment

• Set MIN: You switch on the lights with the push / turn button. When the lights are on, put a screwdriver in the MIN and turn to the left. When the light becomes unstable, turn a little further to the right so that the light remains stable.

• Set MAX: You switch on the lamps with the push / turn button. When the lights are on, put a screwdriver in the MAX and turn to the right. When the light becomes unstable, turn a little further to the left so that the light remains stable.

4. Dimension



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1. ZiaBee Clusters the device supports are as follows:

 Ox0000: Basic + 0x0003: Identify + 0x0004: Groups + 0x0005: Scenes + 0x0006: On/off • 0x0008: Level Control: • 0x0b05: Diagnostics: • 0x0019: OTA: •0x0021: Green Power

2. Z-Wave Security and non-Security features

1) The function of the Dimmer as a security and non-security device is identical. 2) When a node includes into a S0 or S2 Z-Wave network, the node supports S0 or S2 unauthenticated class.S2 authenticated and so do the supported CCs. Commands list

| Network Type | Included Non-Secure Network | Included Secure Network |
|--|---|--|
| Non-secure supported Command Classes | COMMAND, CLASS, ZYMAYERUE, INFO, Y2 COMMAND, CLASS, VHRSIDN, V2 COMMAND, CLASS, VHRSIDN, V2 COMMAND, CLASS, SHRSIDN, V2 COMMAND, CLASS, ASSOCIATION, V2 COMMAND, CLASS, ASSOCIATION, V2 COMMAND, CLASS, SWITCH, MULTHEVEL, V2 COMMAND, CLASS, SWITCH, MULTHEVEL, V2 COMMAND, CLASS, FIRMWARE, UPOATE, MD, V4 COMMAND, CLASS, FIRMWARE, UPOATE, MD, V4 COMMAND, CLASS, SPENDER, V5 COMMAND, CLASS, SPENDER, V5 CMAND, V5 CM | COMMAND_CLASS_ZMWEFULS_NFD_V2 COMMAND_CLASS_TRANSPORT_ERVICE_V2 COMMAND_CLASS_SECURITY_2_V1 COMMAND_CLASS_SECURITY_V1 COMMAND_CLASS_SUPERVISION_V1 |
| Security Supported Report Command Classes | | COMMAND, CLASS, VERDIN, V2 COMMAND, CLASS, VERDIN, V2 COMMAND, CLASS, ASSOCIATION, GRP, INFO, V1 COMMAND, CLASS, ASSOCIATION, GRP, INFO, V1 COMMAND, CLASS, ASSOCIATION, V2 COMMAND, CLASS, SWITCH, MUTLIFVEL, V2 COMMAND, CLASS, CHIFWINARE, UPDATE, MD, V4 COMMAND, CLASS, DEVICE, RESET, L0CALLP, V1 |

3. Z-Wave Command

1) SDK: 6.81.03 2) Library Basic Device Class: BASIC TYPE BOUTING SLAVE Generic Device class: GENERIC TYPE SWITCH MULTILEVEL Specific Device Class: SPECIFIC TYPE POWER SWITCH MULTILEVEL

7-Wave Plus Device Type

| Device Type | Basic Device Attribute | Specific Device Attribute | Role Type |
|---------------------|-------------------------------------|--|-----------------------|
| Light Dimmer Switch | GENERIC_TYPE_SWITCH_MULTI- LEVEL | SPECIFIC_TYPE_POWER_SWITCH_MUL- TILEVEL | Always On Slave (AOS) |

4) Note for special commands

| 1.1 Z-Wave Plus | Info Command Report | |
|------------------------------------|---------------------------------------|--|
| Parameter | Value | |
| Z-Wave Plus Version | V1 | |
| Role Type | ZWAVEPLUS_INFO_REPORT_ROLE_ | TYPE_SLAVE_ALWAYS_ON |
| Node Type | ZWAVEPLUS_INFO_REPORT_NODE | TYPE_ZWAVEPLUS_NODE |
| Installer Icon Type | ICON_TYPE_GENERIC_LIGHT_DIMN | MER_SWITCH |
| User Icon Type | ICON_TYPE_GENERIC_LIGHT_DIMMER_SWITCH | |
| sociation Comm Dimmer supports | and 1 association group. | |
| irouping Identifie | r Max Nodes | Transmit Content |
| Group 1 | 0x05 | Device Reset Locally, Switch Multilevel Report, Switch Multilevel Report, Multilevel Report, Multilevel Report, Salaris Centry, Salaris Centry, Salaris Centry, The Dimmer will send Basic Report when Dimmer state changed(Configurable). |
| sociation Group Association Gro | Info Command up Name Command Repo | ort |

| · · · · · · · · · · · · · · · · · · · | | |
|---------------------------------------|--|--|
| Team No. | Value | |
| Group 1 | The ASSIC of Lifeline: 4C 69 66 65 6C 69 6E 65 | |
| Association Group Info Command Report | | |
| Parameter | Team No. | Value |
| Profile | Group 1 | General: Lifeline, Profile MSB=0x00,Profile LSB=0x01 |
| | | |

c. Association Group Command List Command Report

| Team No. | Command List Support | | |
|----------|--|---|--|
| Group 1 | COMMAND_CLASS_SWITCH_MULTILEVEL (0x26) | SWITCH_MULTILEVEL_REPORT (0x03) | |
| Group I | COMMAND_CLASS_DEVICE_RESET_LOCALLY(0x5A) | DEVICE_RESET_LOCALLY_NOTIFICATION(0x01) | |

7) Basic Command

Basic CC is maps to Multilevel CC.

8) Configuration Command Parameters

The Dimmer offers a wide variety of advanced configuration settings. Below parameters can be accessed from main controllers configuration interface.

| Parameter | Size | Default Value | Description |
|-----------|------|---------------|--|
| Dx01) | 1 | 0x00 | State After Power Restored: The state the switch should return to once power is restored after power failure. a - Off. 1 - On. 2 - Returns to level before Power Outage |
| Dx02) | 1 | 0x01 | Notification when Load status change: The Dimmer will send notification to associated device (Group Lifeling) when the status of Dimmer load is changed. 0 - The function is disabled. 1 - Send Switch Multilevel Report. 2 - Send Switch Multilevel Report. 2 - WWR Command. |

4. Z-Wave OR CODE

You scan the OB code with an android phone. For example, The OB returns this number. 900112034129447151845706002418050469410587456993035100100435301536022000927015 460003400518(The data for each Dimmer is different)

The DSK is: 44715-18457-06002-41805-04694-10587-45699-30351.

Note: If your controller does not support SmartStart inclusion, please refer to the manual for you controller for non-SmartStart inclusion. 2 Ouick Response Code (OR Code) The first 16 bytes of the ECDH Public Key and sometimes additional information is encoded into a

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OR Code graphic.

When referred to in this document, "DSK" applies to the Full DSK, the combination of Full DSK and OR Code or the combination of Pin Code and OR Code. The OR code can be found on the side of the Dimmer or the DSK may be located on the back of the packaging.

