ECO-DIM.06 Z-Wave

Aansluitvoltage:	220-240 V
Frequentie:	50Hz
Maximaal wattage:	100W
Minimaal wattage:	0W
Dimtechniek:	Fase afsnijding(Trailing Edge R,C)
Dimbare led lampen:	0-100W
Lampen met elektronische trafo's:	5-150VA
Halogeen- en gloeilampen:	5-150VA

Installatie

1. Steek de stopcontactdimmer in het stopcontact
2. Steek nu de stekker van de lamp in de fittingdimmer
3. Druk nu op de dimmertoets op de sokkeldimmer
4. Draai aan de dimmerknop om de lampen te dimmen

Kenmerken

√ Compatibel met elke Z-Wave of Z-Wave plus controller.
√ Energieverbruiksmeter
√ Spraakondersteuning (Amazon Alexa & Google Assistant / Homey)
√ Ondersteunt repeater-rol, firmware OTA en SmartStart.
√ Geschikt voor 0-100W LED
√ Geschikt voor alle bekende merken afdekramen
√ Optimaal dimmen en lichtstabiliteit
√ MIN licht instelmogelijkheden
√ Geschikt voor 90% van alle leds
√ Softstartsysteem
√ Geruisloos dimmen

EcoDim®

Handleiding

Stekkerdimmer Z-Wave

ECO-DIM.06 Z-Wave

Let op:

- Alleen voor Gebruik binnenshuis
- De inputvoltage moet 220-240V zijn.
- De stekkerdimmer is voltagevrij wanneer deze uit het stopcontact is gehaald
- Niet bedekken wanneer het in gebruik is

Bediening

1) MIN instellen

Om de SMART dimmer optimaal te laten werken kunt u met de MIN afstelling de lampen optimaal op de dimmer afstellen. Wanneer u de MIN afstelling begint te draaien zal de dimmer uit zichzelf naar het minimale lichtbereik gaan.

MIN instellen

Wanneer het licht is ingeschakeld kunt u via deze potmeter het minimale lichtniveau eenvoudig afstellen. Door de potmeter tegen de klok in te draaien verlaagd u het minimale lichtniveau en door deze met de klok mee te draaien verhoogt u het minimale lichtniveau tot de door u gewenste instelling.
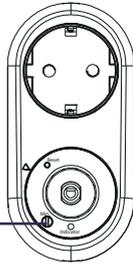
2) Fabrieksinstellingen

Stap 1. Druk gedurende 5 sec op de resetknop.
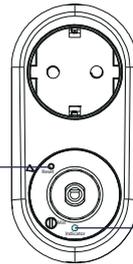
stap 2. De led lamp blijft 10 seconden rood branden, het apparaat is gereset naar fabrieksinstellingen.

Let op:
Voer de bovenstaande reset naar fabrieksinstellingen alleen uit wanneer het verwijderen via de controller/hub niet werkt.
Alle configuraties worden met bovenstaande reset uit de dimmer verwijderd.

3) Koppelen aan een Z-Wave netwerk

Stap 1. Verwijder het apparaat uit het vorige Z-Wave-netwerk als het al is toegevoegd, anders mislukt de koppelingsmodus.

Stap 2. Druk twee keer op de resetknop.
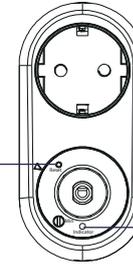
Stap 3. Het led lampje begint blauw te knipperen en blijft 10 sec. branden wanneer het koppelen is gelukt. Gebeurt dit niet, dan heeft u een time-out van 15 min.

4) Verwijderen uit een Z-Wave-netwerk

Methode 1. Kies vanuit uw Z_Wave hub interface de optie om een apparaat te verwijderen of opnieuw in te stellen volgens de instructies.
Methode 2. Verwijder van het apparaat, zie onderstaande instructies.

Stap 1. Druk gedurende 5 sec op de resetknop.
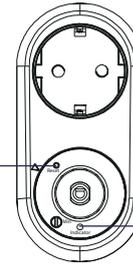
Stap 2. Het indicatielampje begint paars te knipperen en blijft gedurende 10 seconden branden wanner het verwijderen geslaagd is. Timeout 3 minuten.

ECO-DIM.06 Z-Wave

Input voltage:	220-240V
Frequency:	50Hz
Maximum wattage:	100W
Minimum wattage:	0W
Dimming technology:	Phase cut-off(Trailing Edge R,C)
Dimmable led lamps:	0-100W
Bulbs with electronic transformers:	5-150VA
Halogen and incandescent bulbs:	5-150VA

Instructions

1. Plug the socket dimmer into the socket
2. Now insert the plug of the lamp into the socket dimmer
3. Now press the dimmer button of the socket dimmer
4. Turn the dimmer knob to be able to dim the lamps

Features

√ Compatible with any Z-Wave or Z-Wave plus controller.
√ Power Consumption meter
√ Voice support (Amazon Alexa & Google Assistant / Homey)
√ Support Repeater Role, Firmware OTA and SmartStart.
√ Suitable for 0-100W LED
√ Suitable for all well-known brands of cover frames
√ Optimal dimmable & light stability
√ MIN light adjustment options
√ Suitable for 90% of all LEDs
√ Soft start system
√ Noiseless dimming

EcoDim ®

Manual

Plug in dimmer Z-Wave

ECO-DIM.06 Z-Wave

Please note:

- For indoor use only
- Input voltage should be 220-240V
- The plug dimmer is voltage-free when it is unplugged
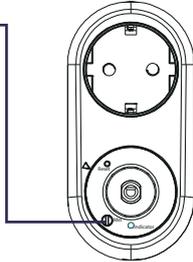- Do not cover when in use

Operation

1) Min. Bright Adjustment.

To ensure the dimmer to work optimally, you can adjust the lights brightness at min. from the dimmer.
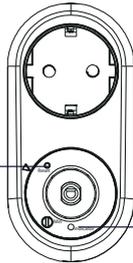
Min. adjustment
When the light is on and at the previous set min. level, Anti-clockwise the VR to decrease or clockwise to increase the brightness at the min. level to your preference, and avoid flickering as well.

2) Factory Reset

Step 1. Press the reset button for 5s.

Step 2. When the Indicator stay in Red for 10s, reset finished.

Please note:
This procedure should only be used when the primary controller is inoperable.
The entire configuration is reset after the device is reset or removed from the network.

3) Inclusion to the Z-Wave Network

Step 1. Remove the device from a previous Z-Wave network if it has already been added to one, otherwise pairing mode will be fail.
Step 2. From your Z-Wave Controller interface, choose to add lighting and enter the pairing mode.

Step 3. Double Press the reset button.
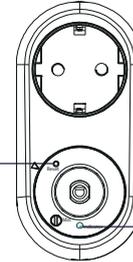
Step 4. The indicator will start blinking blue and will stay solid for 10s when pairing succeeds. Timeout 15mins.

4) Exclusion from the Z-Wave Network

Method 1. From your Z-Wave hub interface, choose to delete or reset the device as instructed.
Method 2. Remove from the Device, see below instructions.

Step 1. Press the reset button for 3 times.
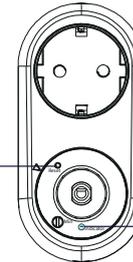
Step 2. The indicator will start blinking purple and will stay solid for 10s when removing is completed. Timeout 3mins.

ECO-DIM.06 Z-Wave

Nennspannung:	220-240 V
Frequenz:	50Hz
Maximale Leistung:	100W
Minimale Leistung:	0W
Dimmtechnologie:	Phasenabschnit (Trailing Edge R,C)
Dimmbare LED-Leuchtm.	0-100W
Lampen mit elektronischem Trafo:	5-150VA
Halogen- und Glühlampen:	5-150VA

Installation

1. Stecken Sie den Sockeldimmer in die Buchse
2. Stecken Sie nun den Stecker der Lampe in den Sockeldimmer
3. Drücken Sie nun die Dimmertaste des Sockeldimmers
4. Drehen Sie den Dimmerknopf, um die Lampen dimmen zu können

Eigenschaften

√ Kompatibel mit jedem Z-Wave- oder Z-Wave plus-Controller.
√ Stromverbrauchsmesser
√ Sprachunterstützung (Amazon Alexa & Google Assistant / Homey)
√ Unterstützt Repeater-Rolle, Firmware-OTA und SmartStart.
√ Geeignet für 0-100W LED
√ Geeignet für alle bekannten Marken von Abdeckrahmen
√ Optimale Dimm- und Lichtstabilität
√ MIN Lichteinstelloptionen
√ Geeignet für 90% aller LEDs
√ Sanftanlaufsystem
√ Geräuschloses Dimmen

EcoDim ®

Handbuch

Steckdimmer Z-Wave

ECO-DIM.06 Z-Wave

Achtung:

- Nur für den Innengebrauch
- Die Eingangsspannung sollte 220-240 V betragen
- Der Steckdimmer ist spannungsfrei, wenn er nicht angeschlossen ist
- Bei Gebrauch nicht abdecken

Operation

1) MIN Einstellen

Damit der SMART-Dimmer optimal funktioniert, können die Lampen mit den Einstellungen MIN optimal an den Dimmer angepasst werden.

MIN Einstellen

Die Lampen werden mit dem Druck-/Drehknopf eingeschaltet. Wenn die Lampen eingeschaltet sind, den MIN-Knopf mit einem Schraubenzieher entgegen dem Uhrzeigersinn drehen. Sobald das Licht instabil wird, den Schraubenzieher leicht im Uhrzeigersinn zurückdrehen, bis das Licht wieder stabil leuchtet.
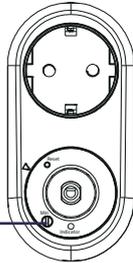
2) Werkseinstellungen

Schritt 1. Drücken Sie die Reset-Taste für 5 Sekunden.
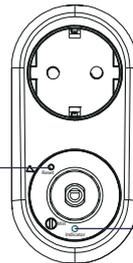
Schritt 2. Wenn die Anzeige rot leuchtet, ist der Reset abgeschlossen

Bitte beachten Sie:

Dieses Verfahren sollte nur angewendet werden, wenn die Primärsteuerung nicht funktionsfähig ist.

Die gesamte Konfiguration wird zurückgesetzt, nachdem das Gerät zurückgesetzt oder aus dem Netzwerk entfernt wurde.

3) Aufnahme in ein Z-Wave-Netzwerk

Schritt 1. Entfernen Sie das Gerät aus dem vorherigen Z-Wave-Netzwerk, falls es bereits hinzugefügt wurde. Andernfalls schlägt der Pairing-Modus fehl.

Schritt 2. Doppelklicken Sie auf die Reset-Taste.
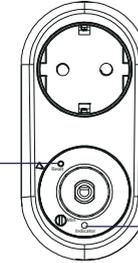
Schritt 3. Die Anzeige beginnt blau zu blinken und bleibt nach erfolgreicher Kopplung 10 Sekunden lang ununterbrochen, Timeout 15 Minuten.

4) Aus einem Z-Wave-Netzwerk entfernen

Methode 1. Wählen Sie in Ihrer Z-Wave-Hub-Schnittstelle, ob Sie das Gerät gemäß den Anweisungen entfernen oder zurücksetzen möchten.

Methode 2. Entfernen Sie aus dem Gerät, siehe Anweisungen unten.

Schritt 1. Drücken Sie dreimal die Reset-Taste.
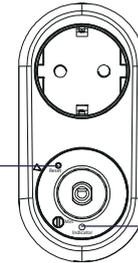
Schritt 2. Die Anzeigelampe beginnt lila zu blinken und leuchtet 10 Sekunden lang ununterbrochen, wenn sie bereit ist, Timeout 3 Minuten.

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.

3) Commands list

Network Type	Included Non-Secure Network	Included Secure Network
Non-secure supported Command Classes	COMMAND_CLASS_ZWAVEPLUS_INFO_V2 COMMAND_CLASS_VERSION_V2 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2 COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1 COMMAND_CLASS_ASSOCIATION_V2 COMMAND_CLASS_POWERLEVEL_V1 COMMAND_CLASS_SWITCH_MULTILEVEL_V2 COMMAND_CLASS_CONFIGURATION_V1 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4 COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1 COMMAND_CLASS_SECURITY_2_V1 COMMAND_CLASS_SECURITY_V1 COMMAND_CLASS_TRANSPORT_SERVICE_V2 COMMAND_CLASS_SUPERVISION_V1	COMMAND_CLASS_ZWAVEPLUS_INFO_V2 COMMAND_CLASS_TRANSPORT_SERVICE_V2 COMMAND_CLASS_SECURITY_2_V1 COMMAND_CLASS_SECURITY_V1 COMMAND_CLASS_SUPERVISION_V1
Security Supported Report Command Classes		COMMAND_CLASS_VERSION_V2 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2 COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1 COMMAND_CLASS_ASSOCIATION_V2 COMMAND_CLASS_POWERLEVEL_V1 COMMAND_CLASS_SWITCH_MULTILEVEL_V2 COMMAND_CLASS_CONFIGURATION_V1 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4 COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1

Z-Wave Command

1) SDK: 6.81.03

2) Library

• Basic Device Class: BASIC_TYPE_ROUTING_SLAVE
• Generic Device class: GENERIC_TYPE_SWITCH_MULTILEVEL
• Specific Device Class: SPECIFIC_TYPE_POWER_SWITCH_MULTILEVEL

3) Z-Wave Plus Device Type

Device Type	Basic Device Attribute	Specific Device Attribute
Light Dimmer Switch	GENERIC_TYPE_SWITCH_MULTILEVEL	SPECIFIC_TYPE_POWER_SWITCH_MULTILEVEL

4) Note for special commands

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_DIMMER_SWITCH
User Icon Type	ICON_TYPE_GENERIC_LIGHT_DIMMER_SWITCH

5) Association Command

The Dimmer supports 1 association group.

Grouping Identifier	Max Nodes	Transmit Content
Group 1	0x05	1. Device Reset Locally. 2. Switch Multilevel Report. The Dimmer will send Switch Multilevel Report when Dimmer state changed(Configurable).

6) Association Group Info Command

a. Association Group Name Command Report

Team No.	Value
Group 1	The ASSIC of Lifeline: 4C 69 66 65 6C 69 6E 65

b. 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)
	COMMAND_CLASS_DEVICE _RESET_LOCALLY(0x5A)	DEVICE_RESET_LOCALLY_NOTIFICATION(0x01)

7) Basic Command

Basic CC is maps to Multilevel CC
Basic Set = 255 maps to Multilevel Switch Set = 255
Basic Set = 0 maps to Multilevel Switch Set = 0
Basic Set = 1-99 maps to Multilevel Switch Set = 1-99
Basic Get/Report maps to Multilevel Switch Get/Report.

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
2 (0x02)	1	0x00	State After Power Restored: The state the switch should return to once power is restored after power failure. 0 - Off. 1 - On. 2 - Returns to level before Power Outage
1 (0x01)	1	0x01	Notification when Load status change: The Dimmer will send notification to associated device (Group Lifeline) when the status of Dimmer load is changed. 0 - The function is disabled. 1 - Send Switch Multilevel Report. 2 - Send Switch Multilevel Report only when Load status is not changed by Z-WAVE Command.

Z-Wave QR CODE

1）DSK

You scan the QR code with an android phone. For example, The QR returns this number:
9001120341294471518457060024180504694105874569930351001004353015360220009270154
60003400518(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 your controller for non-SmartStart inclusion.

2）Quick Response Code (QR Code)

The first 16 bytes of the ECDH Public Key and sometimes additional information is encoded into a QR Code graphic.
When referred to in this document, "DSK" applies to the Full DSK, the combination of Full DSK and QR Code or the combination of Pin Code and QR Code. The QR code can be found on the side of the Dimmer or the DSK may be located on the back of the packaging.

Z-Wave SmartStart

Smart Start products can be added to a Z-Wave network by scanning the Z-Wave QR code on the product with a controller that provides SmartStart recording. No further action is required and the Smart Start product will be automatically added to the network neighborhood within 10 minutes of being turned on.
1. Add the DSK dimmer controller to the primary controller's SmartStart function list.
(If your controller doesn't support SmartStart recording, see your controller's manual for non-SmartStart recording.)
2. Turn the dimmer controller off and on again.

3. The dimmer controller sends the frame "Explorer Auto-Recording" to start SmartStartInclusion.
4. Wait a moment for the dimmer controller to be added to the controller.
Note: The dimmer controller is included in SmartStart when it comes from a Z-Wave network.

Support Hub/Platform

Suitable for most Z-Wave hubs / apps:
√ Fibaro
√ SmartThings
√ Vera
√ Google Home
√ Amazon Alexa
√ Wink
√ Homee
√ Futurehome
√ Homey

Please refer to Corresponding hub manual /instruction to learn how