NEXA

AD-147
Plug-in mottagare Dimmer/
Plug-in receiver Dimmer

Link Key (On/Off)

Z-WAVE PLUS

Svenska
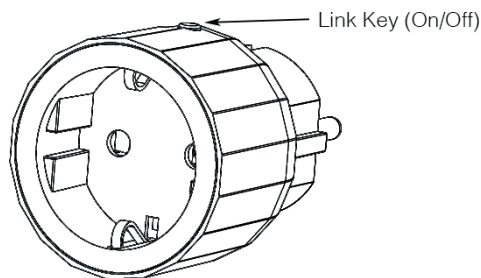
AD-147 är en liten Z-Wave plug-in dimmermottagare som enkelet ansluts mellan lasten och eluttaget. Den kan styras av Nexa Bridge eller annan kontroller som är Z-Wavecertifierad. AD-147 har en knapp för att kunna slås av och på utan fjärrkontroll.

Säkerhet

Läs igenom hela instruktionen först.

Anlita fackman vid behov. Nexa kan ej hållas ansvarig om den användas till annat än den är designad för eller om instruktionen inte följs. Anslut aldrig lampor eller utrustning som överskrider mottagarens maximala belast-ning. Det kan leda till fel, kortslutning eller brand. Försök inte att reparera produkten. Den innehåller inga reparerbara delar. Produkten är inte vattentät. Se till att den alltid är torr. Använd inte kemikalier, lösningsmedel eller starka rengöringsmedel. Utsätt inte produkten för stark värme eller kyla.

Teknisk information

Inspänning	230 V ~50 Hz
Last	6-250 W resistiv last
Frekvens	Z-Wave (868,42 MHz)
Räckvidd	Upp till 30 m
Dimensioner	Ø52 x 78 mm
Arbetstemperatursområde	-10°C - 40°C
IP klassificering	IP20

Installation

Stoppa i plug-in mottagaren i vägguttaget. Stoppa i lastens kontakt i plug-in mottagaren.

AD-147 kommer ihåg sitt tillstånd om strömmen bryts och sedan kommer tillbaka (t.ex. vid strömavbrott). Detta kan ändras i Z-Wave-kontrollenheten.

Inkludering i Z-Wave nätverk

På enheten finns en knapp [Link Key] som används för att inkludera, exklu-dera, och återställa. Se vidare i manualen för Z-Wavekontrollern hur enheten inkluderas eller exkluderas.

När inget nod-id finns lagrat blinkar LED:en i 0,5 Hz.

Autoinkludering

Om enheten inte har har ett nod-id och spänningssätts så sätts den automa-tiskt i inkluderingsläge i 4 minuter.

Inkludera	Tryck 3 gånger på [Link Key] inom 1,5 sekunder.
Exkludera	Tryck 3 gånger på [Link Key] inom 1,5 sekunder.
Återställning	Tryck 3 gånger på [Link Key] inom 1,5 sekunder. Tryck, inom 1 sekund, och håll [Link Key] nedtryckt tills dess att LED slocknar. Enheten är nu återställd och ställer sig i autoinklu-deringsläge.

För information angånde programmering av Z-Wave modulen, se baksidan.

Användning

Styrning med Z-Wavekontroller

Se manualen till din Z-Wavekontroller för information hur du styr din motta-gare.

Styrning med knappen [Link key]

Tryck en gång för att tända. Tryck igen för att släcka. För att dimra, håll knappen intryckt när lampan är tänd. Lampan kommer att tändas med den ljusstyrka den hade när den släcktes.

mer information på:
www.nexa.se/zwave

English

AD-147 is a small Z-Wave plug-in dimmer receiver that easly is connected between wall socket and load. It can be controlled by Nexa Bridge or other Z-Wave controller. AD-147 has a button for control without a remote.

Safety

Read the instructions first.

Call in professional as needed. Nexa can not be held responsible if it is used for other purposes than it is designed for, or if instructions are not followed. Never connect the lights or equipment that exceeds the recipient's maximum load. It can lead to failure, short circuit or fire. Do not attempt to repair the product. It contains no serviceable parts. The product is not waterproof. Make sure it is completely dry. Do not use chemicals, solvents or harsh detergents. Do not expose to extreme heat or cold.

Technical information

Power supply	230 V ~50 Hz
Load	6-250 W resistive load
Frequency	Z-Wave (868,42 MHz)
Range	Up to 30 m
Dimensions	Ø52 x 78 mm
Environment temp. range	-10°C - 35°C
IP classification	IP20

Installation

Put the plug-in receiver in the wall socket. Put the loads plug in the receiver.

AD-147 is able to remember the status of the relay when power is cut off (such as power black-out). When power is supplied again, the unit will resu-me the last status of the relay (on or off) automatically. This can be changed in the Z-Wave controller.

Adding to a Z-Wave network

The button marked [Link Key] on the unit is used to include, exclude and reset the unit.

See Z-Wave controller manual how inclusion/exclusion is done.

The Led flashes 0.5 Hz when no Node ID is stored.

Auto inclusion

If the unit has no Node ID and is powered it enters auto inclusion mode for 4 minutes.

Include	Press [Link Key] 3 times within 1,5 seconds.
Exclude	Press [Link Key] 3 times within 1,5 seconds.
Reset	Press [Link Key] 3 times within 1,5 seconds. Then, within 1 seconds, press and hold [Link Key] until LED turns off. The unit is now reset and enters auto inclusion mode.

For more information regarding how to program the Z-wave unit, see the other side.

Operation

Operation with Z-Wave controller

See Z-Wave controller's manual.

Operation with the button [Link key]

Push once to turn on light, push once again to turn off. Push and hold when light is on to dim. When the light is turned back on, it will have the same light intensity as it had when turned off.

more information at:
www.nexa.se/zwave

Programming

Z-Wave Group Support

The unit supports two association groups with 1 node support for Grouping 1 and 4 nodes support for Grouping 2. This has the effect that when the unit is operating, all devices associated with the unit will receive the relevant reports.

- When the unit is powered up and is already a part of a Z-Wave network, the unit will send a Notification Report to the node in Group 1.
- When setting the unit or changing the unit's status, the unit will send a Multilevel Switch Report to the node of Group 1.
- When performing Reset the unit will send Device Reset Locally Notification to the node of Group1.
- The minimum interval time between two reports sent from this unit to the node of Group 1 is 3 seconds. Refer to Configuration parameter 2 for more information.
- When the button on the unit or the wall switch (S1) is pressed, the unit will send a Basic Set command to the nodes of Group 2. When the unit is OFF, Basic Set Value = 0x00. When the unit is ON, Basic Set Value = 0xFF.

Z-Wave Plus Info

Role Type	Node Type	Installer Icon	User Icon
Slave Always On	Z-Wave Plus node	Light Dimmer Switch	Light Dimmer Switch

Version

Protocol Library	3 (Slave_Enhance_232_Library)
Protocol Version	3.95 (6.51.02)

Manufacturer

Manufacturer ID	Product Type	Product ID
0x0060	0x0003	0x0003

AGI (Association Group Information) Table

Group	Profile	Command Class & Command (List) N bytes	Group Name(UTF-8)
1	General:NA	Multilevel Switch Report, Notification Report, Device Reset Locally Notification	Lifeline
2	Control:Key1	Basic Set	On/Off control (Button1)

Basic
- Basic Get: Inquire about the status of the device.
- Basic Report: Report the status of the device.
- Basic Set: Set the status of the device.

Basic Set Value	Description
0x00	Device OFF
0x01 ~ 0x63	Device ON, output Level as the specified Value.
0xFF	Device ON, output Level as the last memorized Level.

Notification

The device will send notifications (Notification Type =0x08, Event = 0x01) upon being powered on.

Configuration

The configurable values are as following:

Basic Set Command value:

Parameter Number	Size	Range	Default
1	2	0~99 , 255(0xFF)	255 (0xFF)

The delaying time to report to Group 1:

Parameter Number	Size	Range	Default
2	1	3 - 25 (seconds)	3

Remember the last status:

Parameter Number	Size	Range	Default
3	1	1/0	1: remember (0: do not remember)

Output mode setting: Dimming, On/Off

Parameter Number	Size	Range	Default
5	1	1/0	1: Dimming (0: On/Off)

Note: When set to 1, the operation mode is not changed; only the light would be turned on with 100% brightness immediately.

Command Classes

The module supports Command Classes including…
- COMMAND_CLASS_ZWAVEPLUS_INFO_V2
- COMMAND_CLASS_VERSION_V2
- COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
- COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1
- COMMAND_CLASS_ASSOCIATION_V2
- COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1
- COMMAND_CLASS_POWERLEVEL_V1
- COMMAND_CLASS_BASIC_V1
- COMMAND_CLASS_NOTIFICATION_V4
- COMMAND_CLASS_CONFIGURATION_V1
- COMMAND_CLASS_SWITCH_MULTILEVEL
- COMMAND_CLASS_SWITCH_ALL_V1
- COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

Additional Command Classes Supported

- Power Level: For test purpose during product installation.
- Multilevel Switch: Refer to Basic.
- Switch All: The device turns on when receiving "Switch All On", and turns off upon receiving "Switch All Off".
- Firmware Update: For OTA function.

☐€ DECLARATION OF CONFORMITY

Is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Radio Equipment and Telecommunications Terminal Equipment (RED) Directive 2014/54/EU, Low-voltage Directive (2014/35/EU). For the evaluation regarding the Directives, the following standards were applied:
EN301489-1 V1.9.2
EN301489-3 V1.6.1
EN300220-1 V2.4.1
EN300220-2 V2.4.1
EN61058-1: 2002/A2: 2008
DIN VDE 0620-2-1: 2013