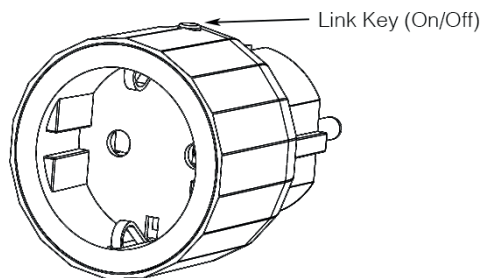




AN-180 Plug-in mottagare relä/ Plug-in receiver relay



Svenska

AN-180 är en liten Z-Wave plug-in relémottagare som enkelet ansluts mellan lasten och eluttaget. Den kan styras av Nexa Bridge eller annan kontrollör som är Z-Wavecertifierad. AN-180 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 belastning. 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 | 1500 W resistiv last |
| Frekvens | Z-Wave (868,42 MHz) |
| Räckvidd | Upp till 30 m |
| Dimensioner | Ø52 x 78 mm |
| Arbetstemperaturområde | -10°C - 40°C |
| IP klassificering | IP20 |

Installation

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

AN-180 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, exkludera, 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 ett nod-id och spänningssätts så sätts den automatiskt 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 autoinkluderingsläge. |

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



Användning

Styrning med Z-Wavekontroller

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

Styrning med knappen [Link key]

Tryck en gång för att tända. Tryck igen för att släcka.

mer information på:
www.nexa.se/zwave

English

AN-180 is a small Z-Wave plug-in relay receiver that easily is connected between wall socket and load. It can be controlled by Nexa Bridge or other Z-Wave controller. AN-180 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 | 1500 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.

AN-180 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 resume 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.

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 Group 1.
- 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 | 0x0004 | 0x0007 |

AGI (Association Group Information) Table

| Group | Profile | Command Class & Command (List) | Group Name(UTF-8) |
|-------|--------------|--|--------------------------|
| 1 | General:NA | Binary 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) |

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_BINARY_V1
- 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.

CE 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

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