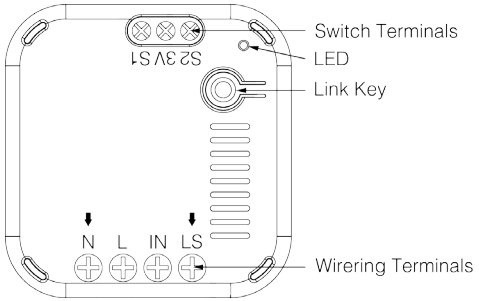
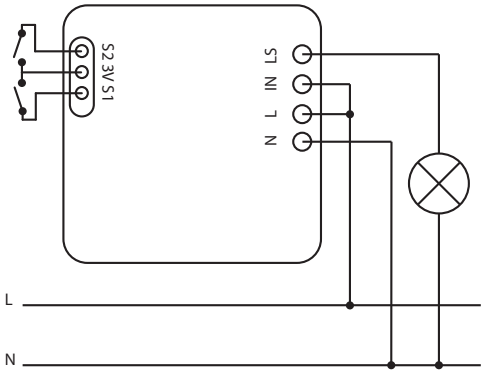
AN-179
Inbyggnadsrelä/
In-Wall relay



3 Wires



Svenska

AN-179 är ett litet Z-Wave inbyggnadsrelä som kan kopplas mot befintlig väggbrytare. Den kan styras av Nexa Bridge eller annan kontroller som är Z-Wavecertifierad. AN-179 kan kopplas till återfjädrande brytare eller vanlig 1-vägsbrytare.

Säkerhet

Läs igenom hela instruktionen först.

Anlita fackman vid behov. Nexa kan ej hållas ansvarig om den används 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	2500 W resistiv last
Frekvens	Z-Wave (868,42 MHz)
Räckvidd	Upp till 30 m
Dimensioner	42x16x43 mm
Arbetstemperatursområde	-10°C - 40°C
IP klassificering	IP20

Installation

Säkerställ att ledarna är spänningsfria genom att slå av strömmen i elcentralen.

Installation med Nolla

Koppla Fas till [L], Nolla till [N], lastens spänningsmatning till [IN] och Last/ Tändtråd till [LS]. Koppla bort strömbrytaren/na från 230 V och anslut den till [3V] och [S1]/[S2]. Se kretsschema [3 wires]

AN-179 kan kopplas till både slutande och återfjädrande brytare. Förinställt är slutande brytande. Detta kan ändras i Z-Wave-kontrollenheten eller genom att hålla [Link Key] intryckt mellan 5 och 8 sekunder. LED blinkar 3 gånger som bekräftelse.

AN-179 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 varannan sekund.

Autoinkludering

Om enheten inte har 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 nästa sida.

Användning

Styrning med Z-Wavekontroller

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

Styrning med återfjädrande brytare

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

Styrning med slutande brytare

Lampan kan bara tändas och släckas med slutande brytare.

mer information på:
www.nexa.se/zwave

English

AN-179 is a small Z-Wave in-wall relay receiver that can be connected to a wall switch. It can be controlled by Nexa Bridge or other Z-Wave controller. AN-179 can be used with momentary switch or toggle switch

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 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	2500 W resistive load
Frequency	Z-Wave (868,42 MHz)
Range	Up to 30 m
Dimensions	42x16x43 mm
Environment temp. range	-10°C - 40°C
IP classification	IP20

Installation

Disconnect the electricity at the electricity panel and make sure that there is no current in the wires.

Installation with Neutral (3 wires)

Connect Line to [L], the loads power supply to [IN], Neutral to [N] and outgoing (to load) to [LS]. Disconnect the wall switch(es) from 230 V and connect it to [3V] and [S1]/[S2]. See wire diagram [3 wires]

AN-179 can be used with both momentary switch or toggle switch. Factory setting is toggle switch. This can be changed in the Z-Wave controller or by pushing [Link Key] between 5 and 8 seconds. The LED will flash 3 times as confirmation.

AN-179 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 every other second 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 next page.

Operation

Operation with Z-Wave controller

See Z-Wave controller's manual.

Operation with momentary switch

Push once to turn on light, push once again to turn off.

Operation with toggle switch

The light can be turned on and 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	On/Off Power Switch	On/Off Power 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	0x0008

AGI (Association Group Information) Table

Group	Profile	Command Class & Command (List) N bytes	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)

Switch 1 switching type:

Parameter Number	Size	Range	Default
4	1	1/0	0: Momentary switch 1: Toggle switch (SPDT)

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 purpuse 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
EN60669-1: 1999+A1: 2002+A2: 2008 EN60669-2-1: 2004+A1: 2009+A12: 2010

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Title: Vice President
Date, Place: 17 May 2016, Göteborg