



Smart Node

Discover the Joy of Smart Living



KNX 12 Channels Actuator

Safety instructions

For keeping everyone safe while installing electrical equipment, it's really important to hire a qualified electrician. They should follow all the rules and safety guidelines of the country when doing the installation. If they don't follow these instructions, it could cause problems like the equipment not working properly, or even fires and other dangerous situations. So, it's best to be careful and follow the right procedures

Do not connect lights with an integrated dimmer

The permissible maximum load per device must not be exceeded.

These instructions are an integral component of the product.

Product description

- ▶ Manual control switch.
- ▶ 12 channels switching or 6-channel blind actuator.
- ▶ 12 channels stair lighting function.
- ▶ Relay switch position selection after bus voltage is disconnected and restored.
- ▶ Flexible channel function selection for use as a switching actuator or for controlling drives for blinds, staircase lighting function.

Technical specifications

KNX bus voltage	30VDC, provided by KNX bus
No. of outputs	12 (on- off, blinds and staircase)
Switching voltage	110-240 V AC, 50/60 Hz
Power type	Bus-powered
Bus current	20mA
Type of protection	IP 20
Operation temperature	-5°C...+ 45°C
Storage temperature	-25°C...+ 55°C
Type of contact	NO contact, 16A
Suitable for SELV	Yes, if all channels switch at SELV
Inrush current capacity	max. 117 A / 20 ms
Motors (fan or shutter)	600 W
Ohmic load	3000 W
Capacitive load	16A / 140 µF
Halogen lamp / Incandescent lamps	2000 W
HV LED lamps	Max. 400 W
Fluorescent lamp (conventional)parallel-corrected	1300 W (140 µF)
Fluorescent lamp (conventional) not corrected	2000 VA
Fluorescent lamp (electronic ballast)	1200 W
230V halogen lamps	1800 W
Mercury lamp	1000 W
Energy saving lamps	300 W
Type of connection	KNX bus terminal
Color	Black
Installation type	DIN rail

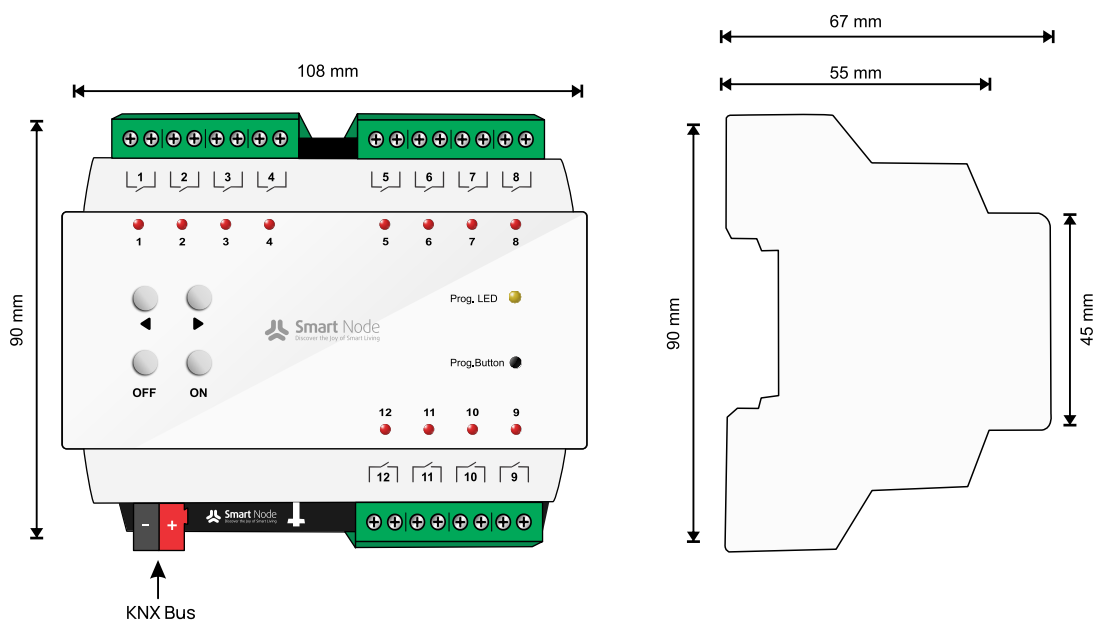
Functional test

LED lights up permanently	Relay on
LED flashes	Relay off
LED flashes on time > off time	Relay on the manual mode selected
LED flashes off time > on time	Relay off manual mode selected

Feature highlights: Individual, Staircase, Curtain

- ▶ **Individual switching:** This feature facilitates group control of lights with an on/off delay function, allowing lights to be individually activated or deactivated within specified delays. Sequential operation within the set time frame enhances efficiency.
- ▶ **Staircase/Auto-off mode:** This mode presents three options
 - **Warning:** Sustains light until a set time.
 - **Pre-warning:** Briefly turns off, then briefly re-illuminates before complete deactivation
 - **Off:** Instantly turns off the light.
- ▶ **Manual switching:** Enables switch activation for a predetermined duration. 'Yes' extends the active time for the next cycle, while 'No' maintains the scheduled switch-off.
- ▶ **Curtain:** Supports blinds and shutters.

Scale drawing



KNX 12 Channels Actuator Wiring

