



Smart Node

Discover the Joy of Smart Living



KNX 20 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.
- ▶ 20 channels switching or 10-channel blind actuator.
- ▶ 20 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 | 20 (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 |

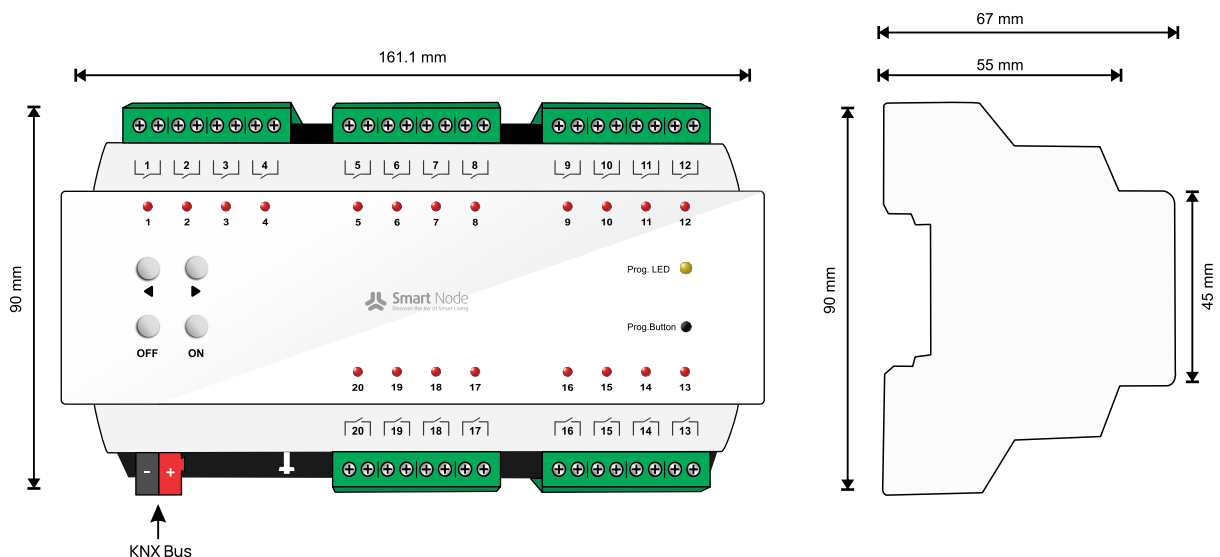
Functional test

| | |
|--------------------------------|-----------------------------------|
| 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 20 Channels Actuator Wiring

