

KNX 8 Channels Actuator





KNX

8 CHANNELS ACTUATOR

SAFETY INSTRUCTIONS

To keep 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 of the peer device must not be exceeded.
These instructions are an integral component of the product

FEATURES

- Manual control switch
- 8 Channel switching or 4-channel blind actuator.
- 8 Channels stair lighting function.
- Flexible Relay switch position selection after bus voltage is disconnected and restored.
- Channel function selection for use as a switching actuator or for controlling drives for blinds, and staircase lighting function.

TECHNICAL SPECIFICATIONS

KNX bus voltage	30V DC, provided by KNX bus
No. of outputs	8 (on-off, blinds and staircase)
Switching voltage	110-240V AC, 50/60 Hz
Power type	Bus-powered
Bus Current	20 mA
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 lamps / 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	White
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

FUNCTIONAL TEST

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:

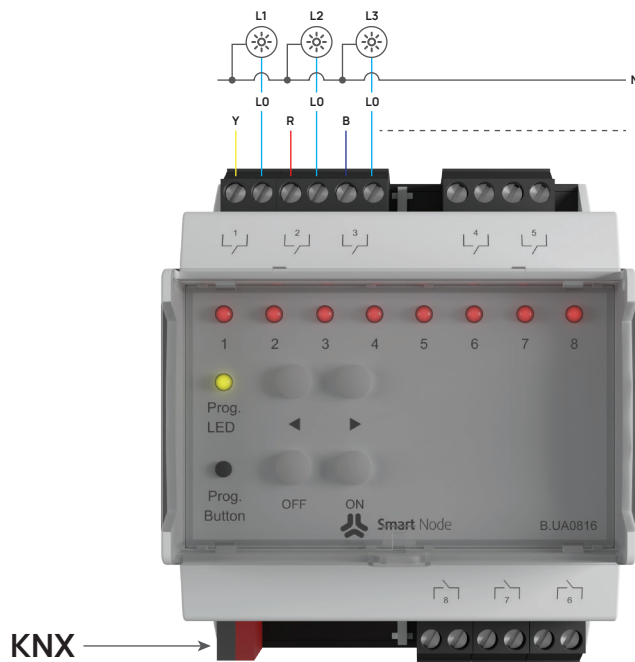
Enables switch activation for a predetermined duration. 'Yes' extends the active time for the next cycle, while 'No' maintains the scheduled switch-off.

Curtain:

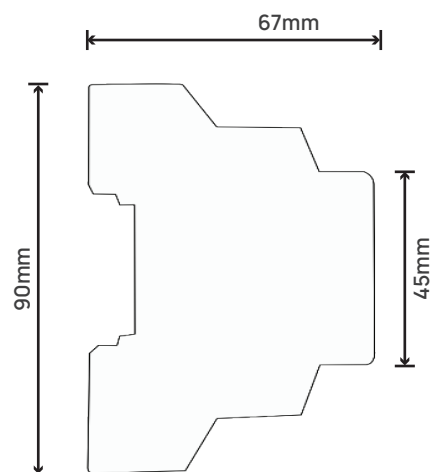
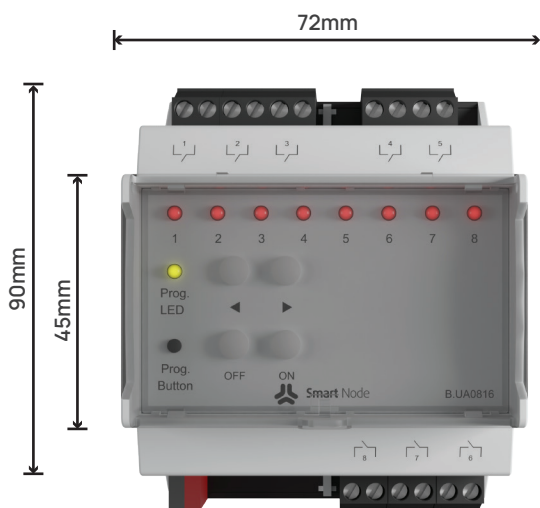
Supports blinds and shutters.



WIRING DIAGRAM & DIMENSIONS



- L1 : Load 1
- L2 : Load 2
- L3 : Load 3
- L4 : Load 4
- L5 : Load 5
- L6 : Load 6
- L7 : Load 7
- L8 : Load 8



Smart Node Automation Pvt. Ltd.

A-09-02-B, Kamdhenu Industrial Estate
Opp, Gorwa Water Tank, Gorwa, Vadodara-390016

Tel.: +91 8200824126 | Email : info@smartnode.in
www.smartnode.in