

Applicable model:
LY/K0810412J

KNX/EIB Home and Building Smart Control System

Product Functions

- Manual control switch
- Time function: delayed on/off time
- Scene and preset control: 8-bit/1-bit
- Status value query response
- threshold function
- Control of electrically heated valve actuator
- Relay switch position selection after bus voltage disconnection and recovery
- output inversion
- Stair lighting with early warning and adjustable stair lighting time

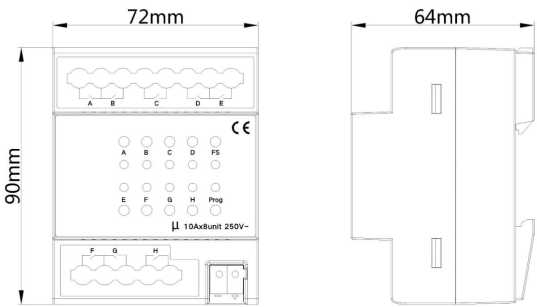
LY/T0416414J

The gadget is powered directly via the EIB/KNX bus and does not require any additional supply voltage to operate.

Technical Parameters

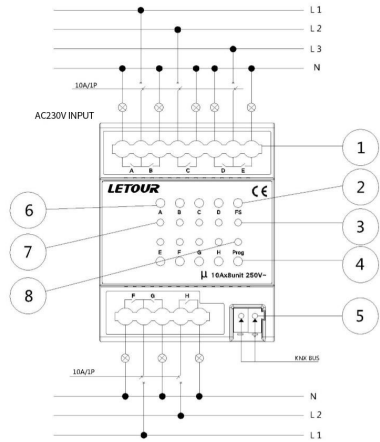
power supply	—operating voltage	21-30V DC supplied by Bus
output normal value	—type	0416.1
	—output quantity	8
	—Un rated voltage	250V/440VAC(50~60Hz)
output switch current	—Conform to AC1 (EN60947-4-1) (resistive load)10A/230V	
	—Conform to AC3 (EN60947-4-1) (capacitive load)10A/230V	
	—Fluorescent lamp loads based on EN60669	10A/230V
connection	—EIB/KNX	Bus connection terminal (diameter 0.8 mm)
	—Load Output Connection Terminal	screw terminal
	—Cable cross-section	Single-core 0.2-6.0mm ² Multi-core 0.2-4 mm ²
operation and instruction	—Contact Position Indicator	Contact closed - channel open Contact released - channel off
	—red LED and button	Physical Address Assignment
	—green LED blink	the device layer is working properly
temperature range	—operation	-5°C... +45°C
	—storage	-25°C... +55°C
	—transportation	-25°C... +70°C
environmental condition	—humidity	<93%, except condensation
design	—DIN rail modular assembly 35mm DIN rail, modular mounting	
CE standard	—Conforms to EMC and low voltage standards, EN50090-2-2	

Size Specification



Model	Dimension	Weight
LY/K0810412J	72x 90 x 64mm	0.24kg

Wiring Diagram



Instruction

- ①Output/load terminal
 - ②Manual mode and automatic mode switching button
 - ③Manual mode and automatic mode switching indicator lamps
 - ④Programming button
 - ⑤KNX terminal
 - ⑥Relay control button
 - ⑦Relay status indicator
 - ⑧ Programming LED indicator, the green LED indicates the physical address programming state
- Installation Instructions

Installation Instruction

This device is designed for quick and easy installation within a distribution box or a small box, and it is a modular installation device in accordance with the EN60715 series that may be placed on a 35 mm DIN rail. The installation must be completed in such a way that the equipment can be properly operated, tested, examined, maintained, and repaired.

Important Notice

Installation and commissioning of equipment should only be performed by trained and skilled electricians. Standards, regulations, norms, and instructions governing the planning and implementation of electrical installations are carefully enforced.

- It is necessary to avoid moisture, dirt, and damage to the device during transportation, storage, and use.
- Do not operate the device outside the specified specifications (e.g. temperature range).
- Devices should only be operated in closed environments (e.g., distribution boxes).

When the unit becomes dirty, it should only be cleaned using a dry towel. If this is insufficient to clean the unit, use a moist cloth and a small amount of soap solution to gently wipe it off. Never use alkaline or caustic solvents.