LETOUR

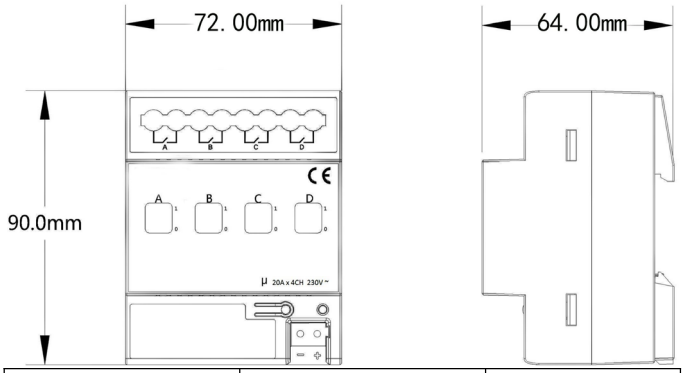
Switch Actuator,4-fold/20A Datasheet

Applicable Model:

LY/K0420412J

KNX/EIB Residential and Building Intelligent Control System

Dimensions



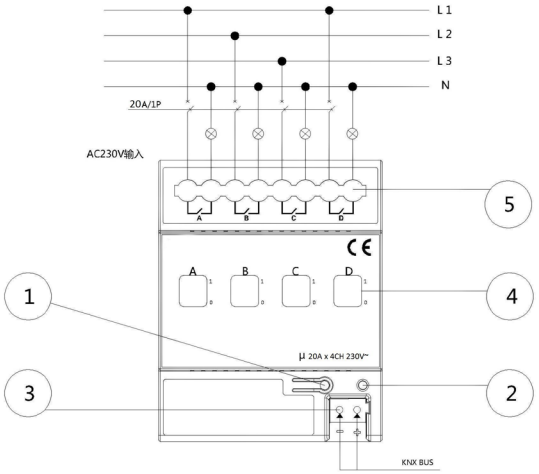
Model No.	Dimension	Weight
LY/K0420412J	72x 90 x 64mm	0. 24kg

Product Features

- Manual control switch
- Time function: Delayed on/off time
- Scene, preset control: 8 bits/1 bit
- With logical functions such as "AND", "OR", "XOR", gate functions, etc.
- Status value query reply
- Mandatory operation, safety function
- Threshold function
- Control of electric heating valve driver
- Relay switch position selection after bus voltage disconnection and restoration
- Output inversion
- Staircase lighting function with early warning and adjustable staircase lighting time

The device does not require an additional supply voltage for operation and is powered directly via the EIB/KNX bus.

Wiring



Technical Parameter

Power supply	Operating Voltage	21~30V DC, provided by bus
	Working current	<18mA (30V)
Output normal value	The number of outputs	4
	Un Rated voltage	230 AC(50~60Hz)
Output switch current	meets the AC1(EN60947-4-1) (resistive load) 20A/230V	
	meets the AC3(EN60947-4-1)(capacitive load) 150W/230V	
	meets the EN60669 load of fluorescent lamps 16A/230V	
Connection	EIB / KNX Bus connection terminal (diameter 0.8mm)	
	Load output connection terminal screw terminal	
	Cable cross section	single core 0.2—6.0mm^2
		Multi-core 0.2—4mm^2
Operation and indication	Contact position indication	Contact closed -channel open
		Contact Released -Channel Closed
	Red led and keys	Identify programming state assigned physical address
	Green led flashes	Identify the device operating status
Temperature range	Operation	–5 °C ... + 45 °C
	Storage	–25 °C ... + 55 °C
	Transportation	– 25 °C ... + 70 °C
Environmental conditions	Humidity	<93%, except for condensation
Design	DIN rail module assembly 35mm DIN rail, modular installation	
CE standard	Complies with EMC and low voltage standards, EN50090-2-2	
Certification	EIB/KNX certificate	

Instruction

① Programming button

② The red LED indicates the device programming status, and the green LED flashes to indicate the device is operating normally.

③ EIB/KNX bus connection terminal

④ Manual operation switch

⑤ Output load terminals

Installation Notes

In order to facilitate and quickly install this equipment into the distribution box or small box, according toEN 60715, the series is designed as amodular installation device that can be installed on 35mm Din rail. Installation must ensure that the equipment is operated, tested,inspected, maintained and repaired correctly.

Important hint

Installation and commissioning of equipment should only be performed by trained and skilled electricians. Relevant standards, guidelines, norms, and instructions are meticulously followed during the planning and execution of electrical systems.

1. During shipping, storage, and use, the item must be kept free of moisture, dirt, and other harm.
2. Do not use the gadget outside of the defined parameters (such as temperature range).
3. The devices can only be operated in closed environments (e.g. distribution boxes).

When the unit is dirty, it should only be cleaned with a dry cloth. If this is not sufficient to clean it, use a damp cloth with a little soap solution and wipe gently. Never use alkalis or caustic solvents.