LETOUR

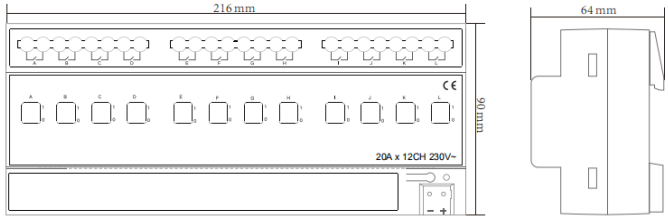
Switch Actuator,12-fold/ 20A Datasheet

Applicable Model:

LY/K1220412J

KNX/EIB Residential and building intelligent control system

Dimensions



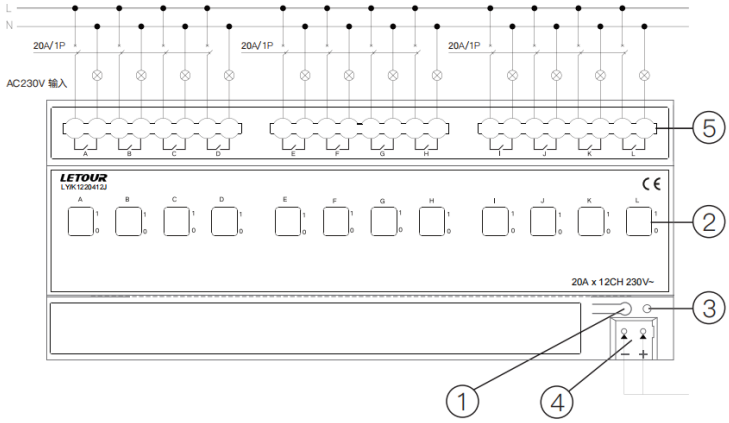
Model	Size	Weight
LY/K1220412J	216 x 90 x 64mm	0.65kg

Product features

- Manual control switch
- Time function: delay on/off time
- Scene, Preset Controls:5bit/1bit
- With and, or,XOR, gate function and other logic functions
- Status value query reply
- Mandatory operation, safety function
- Threshold function
- Control of Electrothermal Valve Driver
- Relay switch position selection after bus voltage disconnection and recovery
- Output negated
- Stair lighting function with early warning and adjustable stair lighting time

Equipment operation does not require additional supply voltage, directly via EIB/KNX Bus powered.

Wiring diagram



Technical parameter

Power	- Operating Voltage	21~30V DC, provided by bus
	- Working current	<18mA (30V)
Output normal value	- The number of outputs	12
	- UnRated voltage	230V AC(50~60Hz)
Output switch current	- meets theAC1(EN60947-4-1)(resistive load)	20A/230V
	- meets theAC3(EN60947-4-1)(capacitive load)	150W/230V
	- meets theEN60669 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—6.0mm2 Multi-core 0.2—4mm2
Operation and Instructions	— Contact position indication	Contact closed - channel open Contact Released - Channel Closed
	- red led and keys	Allocate physical addresses
	- green led flashes	Identify the device operating status
Temperature range	— run	– 5 °C ... + 45 °C
	- storage	– 25 °C ... + 55 °C
	- transportation	– 25 °C ... + 70 °C
Environmental conditions	— Humidity	<93%,Except for condensation
Design	— DINRail Module Assembly	35mmDing rail, modular installation
CE standard	- meets the EMC and low voltage standards, EN50 090-2-2	
Certification	— EIB/KNX Certification	

Instruction

① Program button

② Manual operation switch

③ Red led Indicates entering physical address programming state, green led blinks indicates that the device application layer is working normally

④ EIB/KNX bus connection terminal

⑤ Output load terminals

Installation Notes

In order to facilitate and quickly install this equipment into the distribution box or small box, according to EN 60715, the series is designed as a modular 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 qualified and skilled electricians. During planning and implementation of electrical installations, relevant standards, directives, rules and instructions are strictly enforced.

- Devices need to be protected from moisture, dirt, and damage during transportation, storage, and use.
- Do not operate the device outside of specified specifications (such as temperature range).
- The device can only be operated in a closed environment (such as a distribution box).

When the equipment is dirty, only use a dry cloth to clean it. If this is not enough to clean, you can wipe with a damp cloth dampened with a little soap solution. Never use alkaline agents or corrosive solvents.