

KNX 12-fold 16A metering switch with current detection specification

Applicable Model:
(LY/K1216411C)

KNX international standard home and building control system

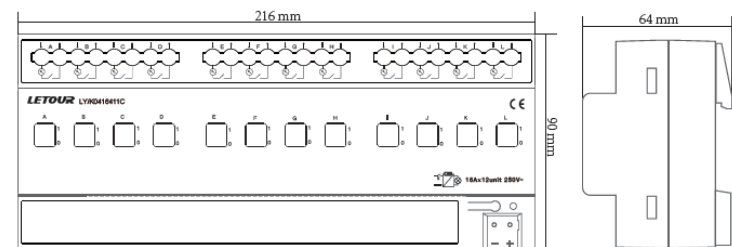
Product Features

- Time function: delays the open/close time
- Stair lighting function with warning function and adjustable stair lighting time function
- Scene, preset control: 8-bit / 1-bit
- Logical operation: and, or, xOR, gate function
- State value query returns
- Forced operation and safety insurance function
- Threshold function setting
- Electrically heated valve actuator control
- Bus voltage disconnects and recovers after relay switch position selection
- Current detection

Technical parameter

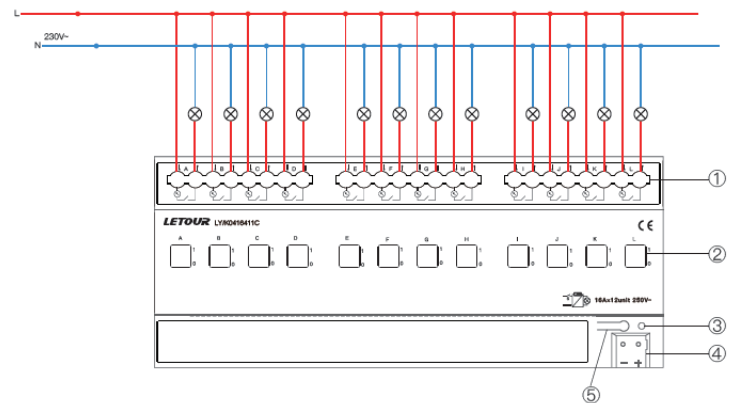
Power supply	KNX bus voltage	21~30VDC, obtained through EIB bus
	EIB/KNX current consumption	<12mA
	EIB/KNX power consumption	<360mW
Output	Number of channels	12-ch
	Un rated voltage	250VAC (50/60Hz)
	In rated current	16A
	Maximum switching current	20A/250V AC
	Maximum load consumption	2W
	Current detection range	50mA-16A
	Current detection accuracy	±5% and ±20mA
Output life	Mechanical life	>10 ⁶ times
	Electrical life	>10 ⁴ times
Output time	Single relay operation term	55ms
	Delay time after startup	30ms
	Delay time after startup shutdown	25ms
Wiring	EIB/KNX bus	Terminal connection (red/black)
	Output terminal	0.8mmØ, connect with copper posts with screw terminals
Operation and Instructions	Contact position indication	Contact point close- channel open Contact point close- channel close
	Red led and key button	Assigning physical Addresses
	Green led blink	Indicates that the device application layer is working properly
Temperature range	Operating temperature	- 5℃...+45℃
	Storage temperature	- 25℃...+55℃
	Transport temperature	- 25℃...+70℃
Environmental conditions	Environment humidity	Maximum air humidity <93%, except condensation

Dimension



Model	Size	Weight
LY/K1216411C	216 × 90 × 64mm	About 0.627KG

Wiring diagram



Instruction

1. Load wiring terminal, a total of 4 channels (switch strong current)
2. Load manual control switch
3. The red LED indicates entering the physical address programming state, and the green LED flashes to indicate that the device application layer is working normally
4. KNX EIB bus connection terminal
5. Program button

Main Tips

1. In order to facilitate and quickly install this device into a conventional distribution box, it has been designed as a modular installation device according to the EN60715 standard, which can be installed on a 35mm DIN rail,
2. Installation and commissioning of equipment can only be operated by qualified and skilled electricians. In the process of planning and implementing electrical installations, relevant standards, directives, rules and instructions shall be strictly enforced,
3. It is necessary to avoid the device from being damp, dirty and damaged during transportation, storage and use,
4. Do not make the device run outside the specified technical indicators (such as temperature range),
5. The device can only be run in a closed environment in (e.g., distribution box),
6. When the equipment is dirty, only use a dry cloth for cleaning. If this is not enough to clean, you can use a damp cloth with a little soap solution to gently wipe, do not use alkali or corrosive solvents.