

4-fold 1~10V dimming module specification

Applicable Model:

LY/T0416411J

KNX international standard home and building control system

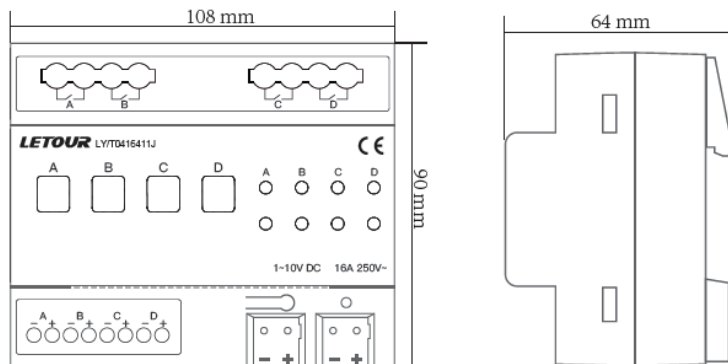
Product Features

- Switch dimming function
- Relative dimming function
- Absolute dimming function
- Status and bug reports
- Scene and preset controls
- Stair light function
- Bus reset function
- 1-10V drive
- Manual dimming
- Output status indication

Technical parameter

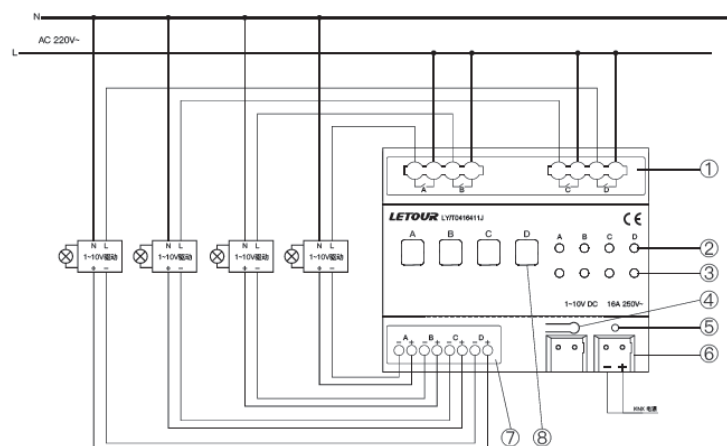
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|----------------------------|----------------------------------|--|
| Power | KNX bus voltage | 21~30VDC, obtained through EIB bus |
| | Current drawn through the bus | <12mA |
| | Power dissipated through the bus | <360mW |
| Output | Number of dimming channels | 4-ch |
| | The output voltage | 1~10VDC (absorbing type), each output max.100mA |
| | Output contact switch current | 16A/250V AC, maximum allowable working current 10A/250V (140μF) under fluorescent lamp load |
| Wiring | EIB/KNX bus | Terminal connection (red/black) |
| | Output terminal | 16 screw terminals, 8 terminals for 4 channels 1~10V common ground and 1~10V output, 8 terminals switch for 4 channels |
| | Wire diameter | 0.5-4mm ² |
| | Torque | 0.8Nm |
| Operation and Instructions | Program keys | Used for device programming physical address and diagnostics |
| | Red indicator | Instructs the device to enter programming mode |
| | Green light | Instructs the device to enter run mode |
| Protection class | Protection class | IP 20, EN 60 529 |
| Temperature range | Operating temperature | - 5°C...+45°C |
| | Storage temperature | - 25°C...+55°C |
| | Transport temperature | - 25°C...+70°C |
| Environmental conditions | Environment humidity | Maximum air humidity <93%, except condensation |
| Install | | Standard 35mm DIN rail mounting |

Dimensions



| Mode | Size | Weight |
|--------------|-----------------|---------------|
| LY/T0416411J | 108 × 90 × 64mm | About 0.296KG |

Wiring diagram



Instruction

- 1) 220V channel terminal
- 2) Channel key indicator
- 3) Channel switch button
- 4) Program button
- 5) Programming indicator
- 6) KNX/EIB connection terminal
- 7) 1~10V terminal
- 8) Relay manual switch

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 (e.g. distribution box). 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.