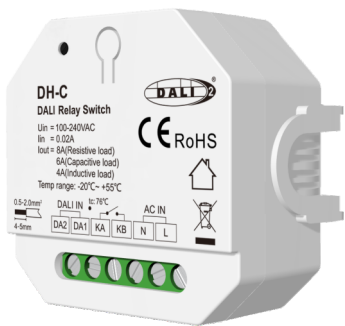


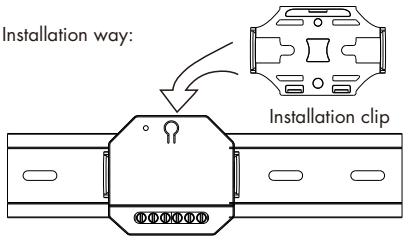
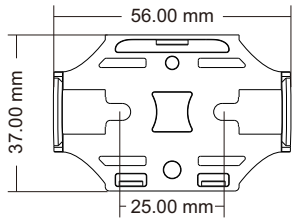
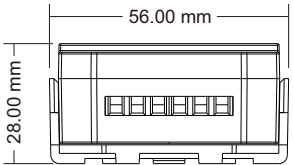
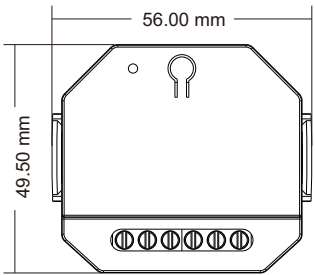
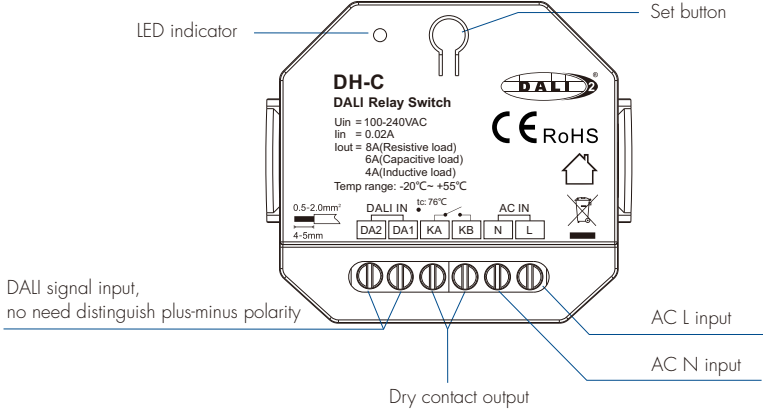


Features

- 1 DALI address, 1 channel 8A dry contact mains rated relay output.
- Powered by AC100-240V.
- DALI-2 certified, in accordance with DALI standard protocol IEC 62386 and in compliance with DALI products from other international incorporation.
- Compliant DALI device type 7 (DT7) .
- High-inrush specification relays (single pole, normally open).
- Connect with external push switch to achieve on/off function.
- Zero cross switching function.

Technical Parameters

| Input and Output       |                                          | Environment             |                 | Safety and EMC          |                                                                        |
|------------------------|------------------------------------------|-------------------------|-----------------|-------------------------|------------------------------------------------------------------------|
| Input voltage          | 100-240VAC                               | Operation temperature   | Ta: -20℃ ~ +55℃ | EMC standard            | EN IEC 55015/<br>EN IEC 61547<br>EN IEC 61000-3-2/<br>EN IEC 61000-3-3 |
| Input current          | 0.02A                                    | Case temperature (Max.) | Tc: 76℃         |                         |                                                                        |
| Output voltage         | 100-240VAC; 12-48VDC                     | IP rating               | IP20            |                         |                                                                        |
| Relay contacts         | singlepole,<br>single-throw (SPST) relay |                         |                 | Safety standard         | EN 61347-1/-2                                                          |
| Max relay load current | 8A Resistive load                        | Package                 |                 | Certification           | CE RoHS DALI-2                                                         |
|                        | 6A Capacitive load                       |                         | Size            | L60 x W60 x H40mm       |                                                                        |
|                        | 4A Inductive load                        |                         |                 |                         |                                                                        |
|                        | 4A DC load                               | Gross weight            | 0.06kg          | Warranty and Protection |                                                                        |
| Max relay load power   | Resistive load:                          | 1920W@240VAC            |                 | Warranty                | 5 years                                                                |
|                        |                                          | 800W@100VAC             |                 | Protection              | Over-Temperature Protection                                            |
|                        | Capacitive load:                         | 1440W@240VAC            |                 |                         |                                                                        |
|                        |                                          | 600W@100VAC             |                 |                         |                                                                        |
|                        | Inductive load:                          | 960W@240VAC             |                 |                         |                                                                        |
|                        |                                          | 400W@100VAC             |                 |                         |                                                                        |
|                        | DC load:                                 | 192W@48VDC              |                 |                         |                                                                        |
|                        |                                          | 48W@12VDC               |                 |                         |                                                                        |



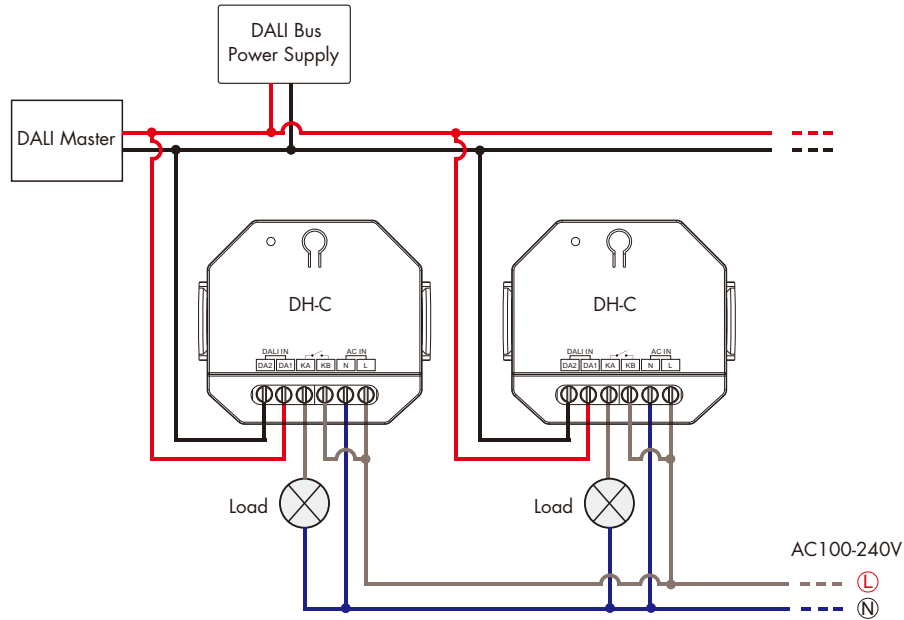
## Wiring Diagram



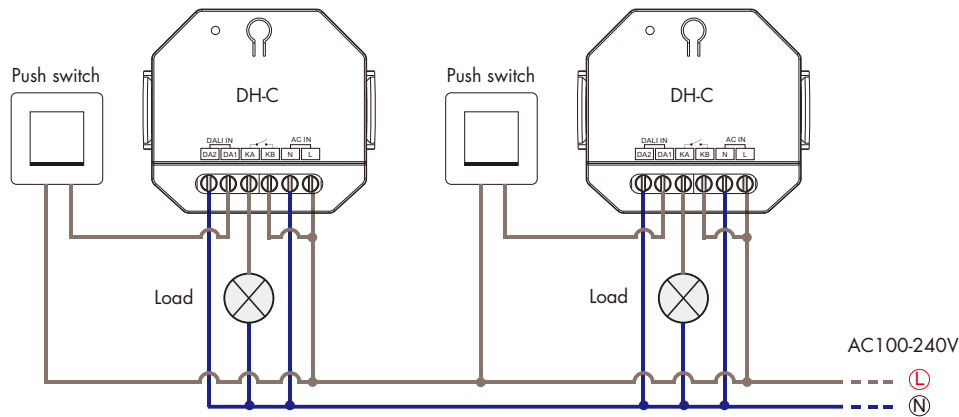
### Caution:

1. Please carefully ensure all wire connections and polarities are correct and secure before applying power, otherwise this controller will be damaged.
2. DO NOT install with power applied to device.
3. DO NOT expose the device to moisture.

#### • DH-C connect with DALI master



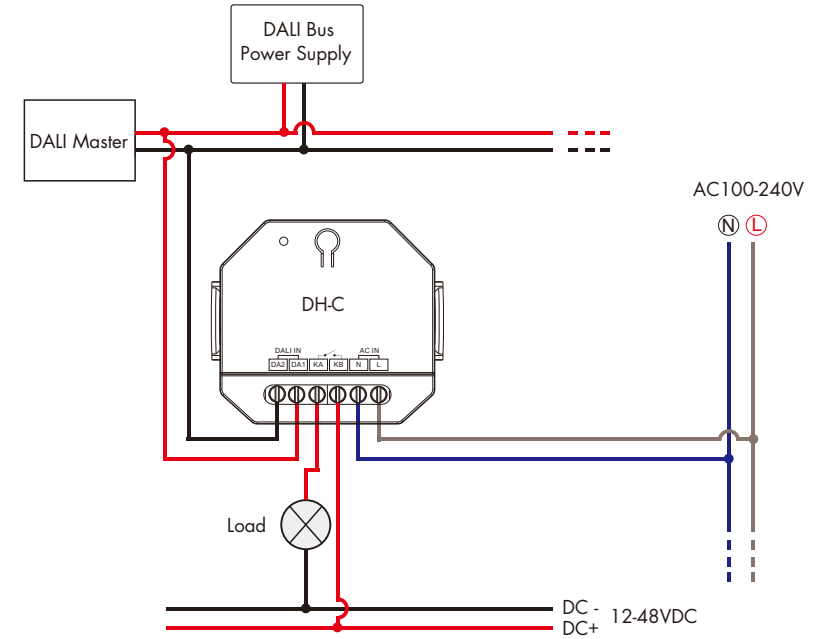
#### • DH-C connect with AC push switch



#### Note:

1. DALI interface and AC PUSH interface are compatible, DALI and AC PUSH can only be connected to one, not at the same time.
2. When connecting to the AC PUSH switch, note that the re wire (L) and zero wire (N) are connected to DA1 and DA2 respectively, and cannot be connected to DA1 or DA2 at the same time.
3. We recommend the number of relay switch connected to a push switch does not exceed 25 pieces, the maximum length of the wires from push to relay switch should be no more than 20 meters.

#### • DH-C connect with 12-48VDC load



## Operation

### 1. DALI switch

DALI signal port connect with DALI Master controller  
DALI address can be assigned by DALI Master controller automatically.  
Please refer to user manuals of compatible DALI Masters for specific operations.

### 2. Push switch

DALI signal port connect with push switch.  
Short press: Turn on or off light.  
Long press 10s: Synchronizes multiple relay switch connected to the same push switch to the on state.

### 3. Set button

Short press: Turn on or off light.  
Long press 10s: The relay switch is restored to its factory default state, the relay switch is on and the DALI address is not assigned.

### 4. LED indicator status

When the relay switch is working normally, the LED indicator light is blue.  
When the relay switch receives DALI signal, the LED indicator light flashes once.