

## 2-Channel Blinds Controller (490)

The 2-Channel Blinds Controller is a DALI-compatible interface unit that allows control of blinds and curtains in a DIGIDIM lighting control system. The blinds controller is a DIN-rail mounted unit that provides two independent control channels, each with two single-pole, volt-free contacts for switching up to 550 W up/down or power direction motors from a DIGIDIM system.

The unit has a status LED, a physical selection switch and relay-state indicators. The status LED provides status and a fault indication. The physical selection switch is used to identify the device during system configuration. The relay-state indicator LEDs are illuminated when the respective relay is closed.

*Note: This unit does not contain a DALI power supply. Therefore, one must be present elsewhere in the system.*



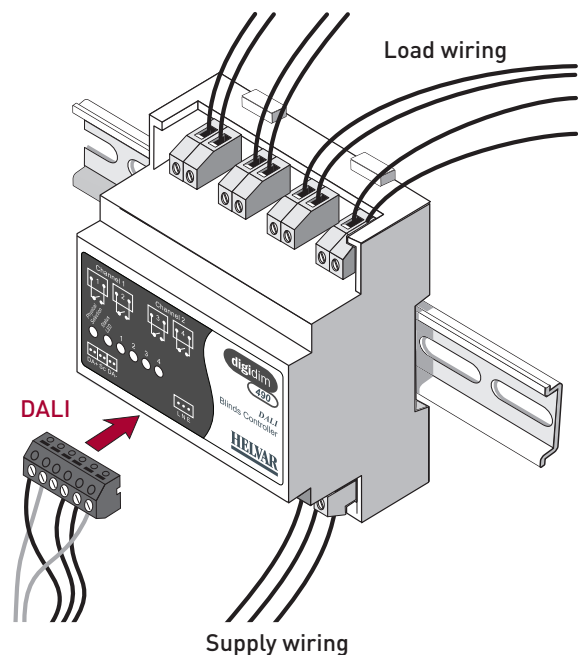
### Key Features

- Up/Down mode operates in a 'Break before Make' manner to prevent motor damage.
- Relays are internally isolated permitting separate mains phases to be used for each control channel.
- All DALI functions are programmed with either DIGIDIM Toolbox or Designer software.
- DIN-rail mounted and only 88 mm wide.

### Installation Notes

- The blinds controller is for use with motors up to 550 W.
- The external mains supply to the unit must be protected. It is recommended that a 6 A MCB is used.
- All cabling must be 230 V mains rated.

### Connection details



## Technical Data

### Relay load

Motor load: 550 W max.

### Connections

**DALI:** Standard DIGIDIM removable terminal block 0.5 mm<sup>2</sup> – 1.5 mm<sup>2</sup> solid or stranded

**Mains:** Up to 4 mm<sup>2</sup> solid core or up to 2.5 mm<sup>2</sup> stranded  
*Note: If equipment is used in an electrically noisy environment, the DALI cable should be screened and connected to the earth.*

### Power

Mains supply: 220 VAC – 240 VAC, 50 Hz – 60 Hz

DALI consumption: 2 mA

### Mechanical data

**Dimensions:** 88 mm × 90 mm × 58 mm

**Housing:** DIN-rail case 88 mm wide

**Weight:** 300 g

**Mounting:** DIN rail (installation in switchgear/controlgear cabinet)

**IP code:** IP30 (IP00 at terminals)

### Operating and storage conditions

**Ambient temperature:** 0 °C to +40 °C

**Relative humidity:** Max. 90 %, noncondensing

**Storage temperature:** -10 °C to +70 °C

### Conformity and standards

**Emission:** EN 55015

**Immunity:** EN 61547

**Safety:** EN 61347-2-11

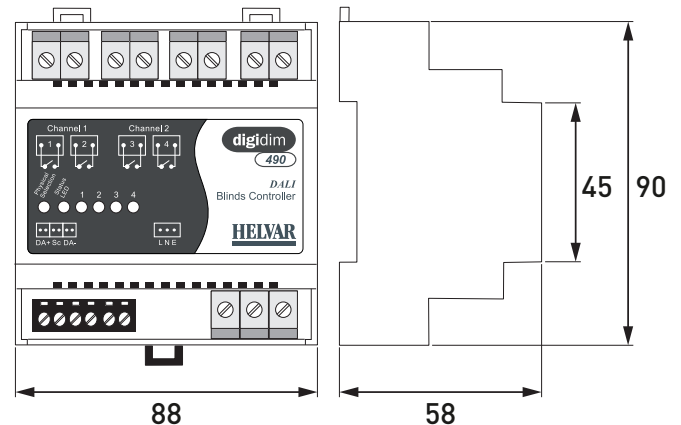
**Isolation:** 4 kV

**Environment:** Complies with WEEE and RoHS directives.

## Dimensions (mm)

**Helvar**

*freedom in lighting*



## Connections

