

## DIGIDIM Blinds Controller (490)

The DIGIDIM Blinds Controller is a DALI-compatible interface unit, designed to allow blinds and curtains to be incorporated into 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 blinds controller is provided with 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.

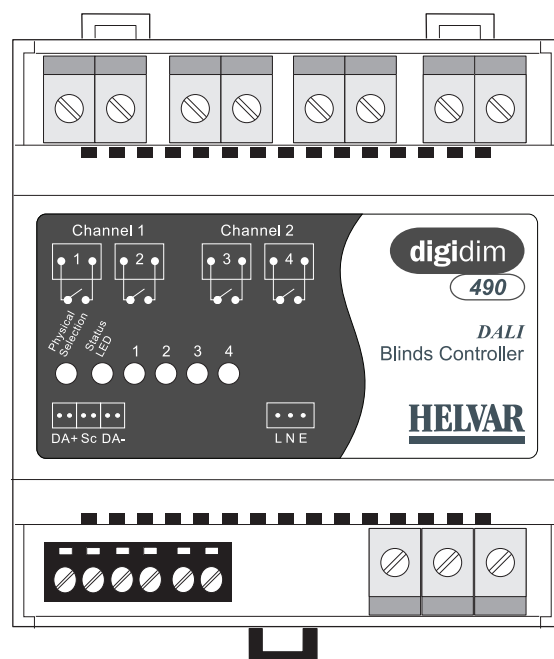
Note: This unit does not contain a DALI power supply and therefore one must be incorporated elsewhere in the system.

### Key Features

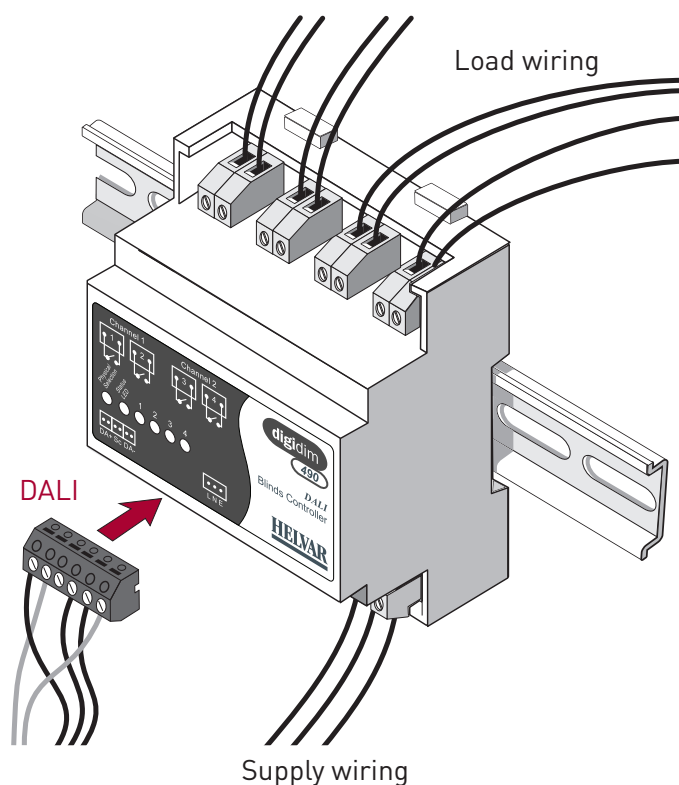
- Up/Down mode operates in a 'Break before Make' manner to prevent motor damage.
- Relays are internally isolated permitting separate mains phases to be controlled in one unit.
- All DALI functions are programmed with Digidim Toolbox software.
- DIN-rail mounted and only 88 mm wide.

### Installation Notes

- The blinds controller is for use with motors up to 550W, see Technical Data overleaf for full details.
- 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 maximum

### Connections

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

### DALI:

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.

### Mains:

### Power

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

DALI consumption: None

DALI consumption: 2 mA

### Mechanical data

Dimensions: 88 mm × 58 mm × 90 mm

Housing: DIN-rail case 88 mm wide

Weight: 300 g

IP code: IP30 (IP00 at terminals)

### Operating and storage conditions

Ambient temperature: 0 °C to +40 °C

Relative humidity: Max. 90 %, non-condensing

Storage temperature: -10 °C to +70 °C

### Conformity and standards

Emission: EN 55015

Immunity: EN 61547

Safety: EN 60950

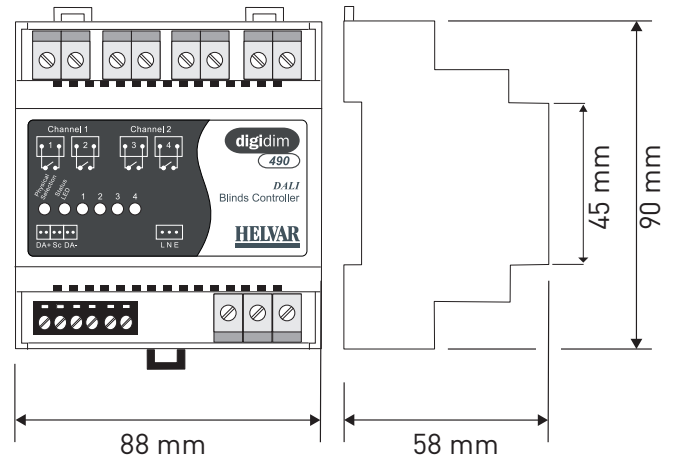
Isolation: 4 kV

Environment: Complies with WEEE and RoHS directives

## Dimensions

**Helvar**

*freedom in lighting*



## Connections

