

Product Data Sheet

digidim

DIGIDIM Blinds Controller

490

The DIGIDIM Blinds Controller is a fully 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 550W 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 LED's are illuminated when the respective relay is closed.

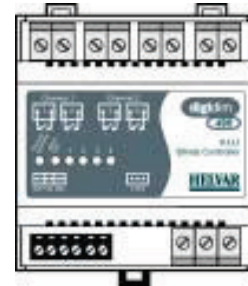
Note: This unit does not contain a DALI power supply and therefore one must be incorporated elsewhere in the system.

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 88mm wide.

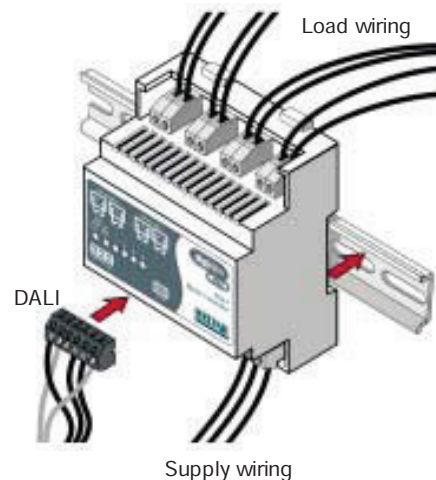
Installation Notes

- 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 6A MCB is used.
- All cabling must be 230V mains rated.



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Connection Details



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Technical Data

Relay Loads (Max)

Motor Load: 550W maximum

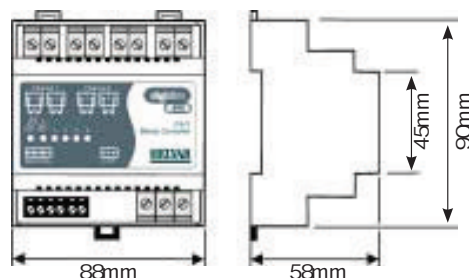
Connections

DALI: Standard DIGIDIM removable connectors with paired terminals 0.5mm^2 - 2.5mm^2 stranded or solid core.

Mains: Up to 4mm^2 solid core or up to 2.5mm^2 stranded.

Note: If equipment is used in an electrically noisy environment, the DALI cable should be screened and connected to the earth.

Dimensions



Power

Mains Supply: 220-240 VAC, 50-60 Hz

DALI Supply Output: None

DALI Consumption: 2 mA

Operating Conditions

Ambient Temperature: $0 \dots 40^\circ\text{C}$

Relative Humidity: 90% max, non-condensing

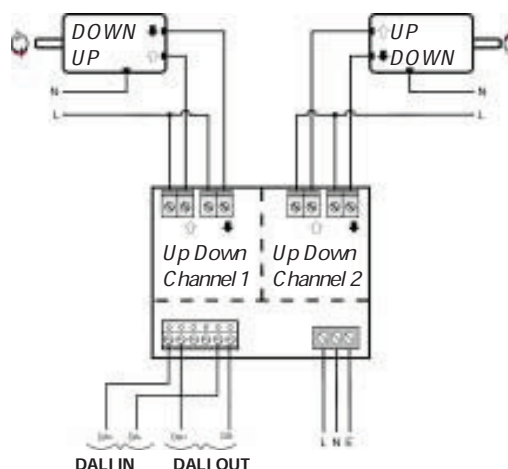
Storage Temperature: $-10^\circ\text{C} \dots +70^\circ\text{C}$

Mechanical Data

Housing: DIN-rail case 88mm wide

Weight: 300g

Connections



Conformity & Standards

EMC

Emission: EN 55 015

Immunity: EN 61 547

Safety

Safety: EN 60 950

Case IP Rating: 30

Terminal IP Rating: 00

Isolation: 4 kV

Data subject to change without notice

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