

DIGIDIM 500 W Dimmer (455)

The DIGIDIM 500 Watt Thyristor Dimmer (leading edge) is a DALI-compatible Lamp Interface Unit for use in a DIGIDIM lighting control system.

The dimmer is a DIN-rail mounted unit that can control a maximum load of 500 W. It can be connected to mains voltage lamps directly, or to low voltage lamps via a wire-wound transformer. The dimmer is provided with a status LED and a physical selection switch.

The LED provides status and fault indications, the physical selection switch is used to identify the device during system configuration.

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



Key Features

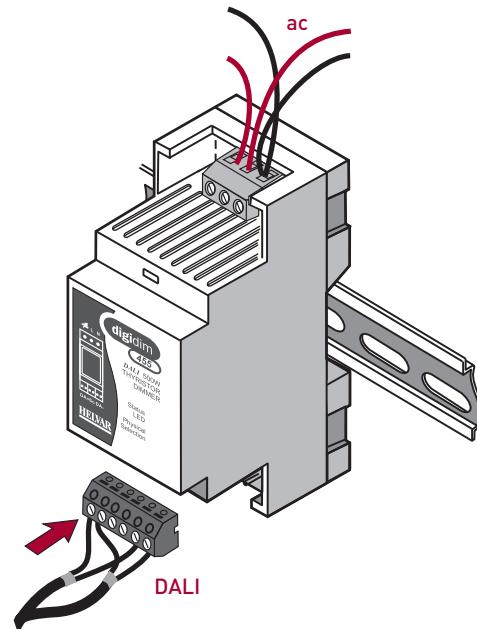
- Out-of-box operation. No programming required when using DIGIDIM slider, rotary or push button panels.
- Input voltage and frequency fluctuation compensation ensures stable output levels with fluctuating incoming mains levels.
- Over current and over temperature protection.
- DIN-rail mounted and only 35 mm wide.

Additional Functions

- The following functions may be programmed using the Digidim Toolbox software.
- Max/Min levels, Fade times, Scenes and Groups.
- Dimmer status report.
- System failure level/ignore.
- Power on level.
- Power on to last level.
- These functions are programmable using IR remote

Installation Notes

- The dimmer is for use with incandescent lamps and low voltage lamps via wire-wound transformers. It is suitable for use with electronic transformers, if use is approved by transformer manufacturer.
- The external mains supply must be protected. It is recommended that a 4 A MCB is used.
- All cabling must be 230 V mains rated.



Technical Data

Connections

DALI: Standard DIGIDIM removable terminal block 0.5 mm² – 1.5 mm² stranded or solid core

Mains: Up to 4 mm² solid core or up to 2.5 mm² 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
Heat dissipation: 3.5 W with maximum load (resistive)
DALI supply output: None (Use external DALI power supply)
DALI consumption: 2 mA

Mechanical data

Dimensions: 35 mm × 58 mm × 90 mm
Housing: DIN-rail case 35 mm wide
Weight: 110 g
IP code: IP30

Operating and storage conditions

Ambient temperature: 0 °C to +40 °C
 Above this temperature, derate according to the adjacent graph.

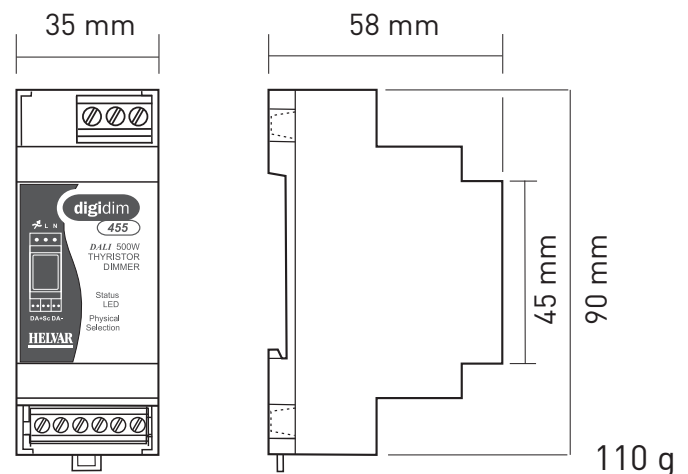
Relative humidity: Max. 90 %, non-condensing

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



Load Power Derating with Ambient Temperature

