

simple to install • easy to operate • very flexible • creates the perfect mood

458  
DIMMER



**8-channel** dimmer

PROVIDING A DYNAMIC NEW

# SOLUTION

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# 458 DIMMER

## The 458 dimmer from Helvar

Helvar are proud to introduce a new stylish and innovative wall mount dimmer, and continue the trend of being the most innovative lighting systems provider. The 458 dimmer is compatible with Imagine and Digidim and allows a large selection of user interfaces, including button panels, sliders, LCD touch panels, and third party equipment. Typical applications range from hotels, restaurants, meeting rooms to residential applications.

### Dimming and networking

- The 458 dimmer has 8 dimmable channels rated at 10Amp each, with a total dimmer current capacity of 40Amp.
- An optional output module allows the channels to be configured for HF ballast control (1-10V, DSI or PWM).
- Multiple 458 dimmers can be networked together through either the DALI or SDIM ports to create a truly scalable solution.
- Together with the Helvar DIGIDIM Routers, a fully integrated network solution can be created on an Ethernet backbone.

### Stylish, flexible and intuitive control

- The 458 dimmer also features an intuitive LCD display with navigation switches for configuration and manual control.
- Modular mechanics allow for easy swap-out in the field
- Ready made pre-wired configuration provides ease of installation, thus reducing installation costs



**digidim**

*Imagine*

Helvar offers a wide selection of input / control devices to be used with 458 dimmer

# Preliminary Technical Data

## Connections

Mains:	Up to 10.0 mm <sup>2</sup>
Loads:	Up to 4.0 mm <sup>2</sup>
DALI:	Up to 2.5 mm <sup>2</sup> stranded
SDIM:	Up to 2.5 mm <sup>2</sup> stranded (low loss RS485 cable recommended)

## Power

Mains Supply:	85-264 VAC, 45-65Hz
Protection:	4 x 10A MCB's, and 3A MCB for control board

## Supply

Supply current:	40A
Nominal load:	8 x 5A or 4 x 10A, resistive
DALI Supply:	250 mA
TouchPanel Supply:	250 mA

## Data transfer requirements

DALI	IEC62386
SDIM	According to Helvar requirements

## Environment

Complies with WEEE and RoHS directives

## Operating Conditions

Ambient Temperature:	0...40°C
Relative Humidity:	90% max, non-condensing
Storage Temperature:	-10°C...+70°C

## Mechanical Data

Housing:	Powder coated steel
Heatsink:	Anodised aluminium
Weight:	11.1Kg

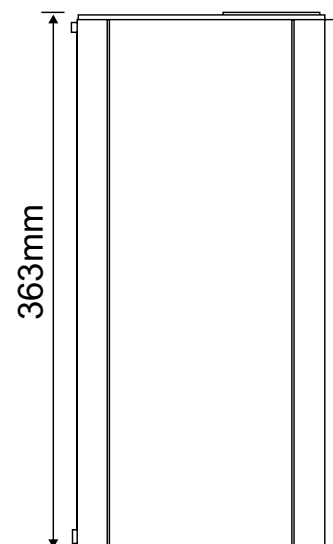
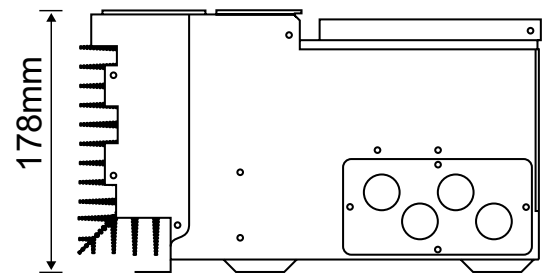
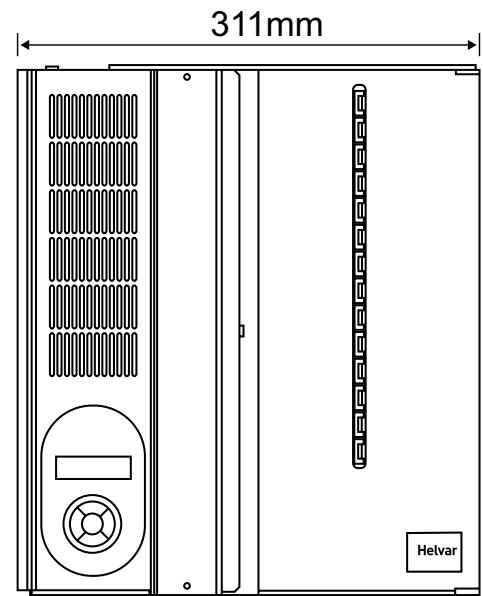
## Conformity & Standards

### EMC

Emission:	EN 55015
Immunity:	EN 61547

### Safety

Safety:	EN 60950
IP Rating:	20
Isolation:	4 kV



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Due to a policy of continuous improvement, Helvar reserve the right to alter specifications without notice at anytime.