

DIGIDIM S-Dim Converter (460)

The DIGIDIM S-Dim Converter has been designed to allow DIGIDIM control of the full range of Ambience and Imagine dimmers (S-Dim devices). All load interfaces in an S-Dim system are converted into DIGIDIM addresses and are programmed using the DIGIDIM Toolbox Software.

One S-Dim Converter can support up to 16 S-Dim addresses, and thus for higher numbers of S-Dim addresses multiple S-Dim converters may be used. The converter is also provided with a selectable, integral, 250 mA DALI power supply.

Note: If the DALI power supply is enabled, no other source of power may be used in the system.

Key Features

- Out-of-box operation provides control using DALI standard broadcast commands.
- Converter can support up to 16 S-Dim addresses.
- Default light output at initial power up is 100 %.
- DIN-rail mounted and only 70 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 to last level.

Installation Notes

- The external mains supply must be protected. It is recommended that a 2 A MCB is used.
- The S-Dim cable must be terminated at each end of a cable run. If the S-Dim converter is at one end of the cable, link connector B to the termination link connector LK1 as shown overleaf.



Technical Data

Connections

DALI:	Standard DIGIDIM removable terminal block 0.5 mm ² – 1.5 mm ² stranded or solid core
S-DIM:	1000 m low-loss RS485 cable, 3 or 4 cores plus screen 0.22 mm ² – 1.5 mm ² multistranded, twisted and shielded
Mains:	Up to 4 mm ² solid core or up to 2.5 mm ² stranded Note: If equipment is used in an electrically noisy environment, the DALI cable should be screened and connected to the earth.
DSI / 1 V – 10 V:	Up to 2.5 mm ²

Power

Mains supply:	230 VAC (nom) 197 VAC – 264 VAC (abs) 50 Hz (nom) 48 Hz – 60 Hz (abs)
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DALI supply output: 240 mA (switchable)

DALI consumption: 2 mA

Mechanical data

Dimensions:	70 mm × 58 mm × 90 mm
Housing:	DIN-rail case 70 mm wide
Weight:	150 g
IP code:	IP30

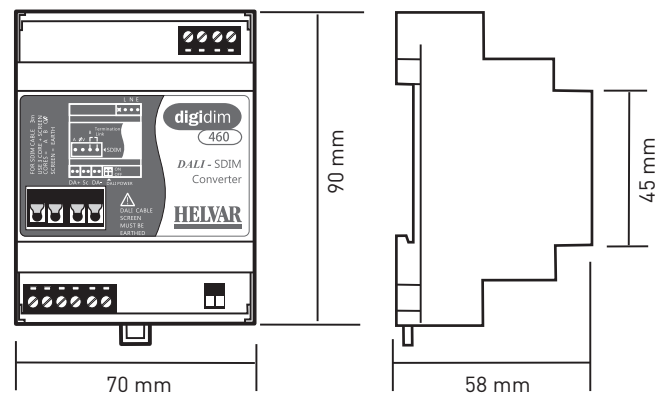
Operating and storage conditions

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:	1.5 kV Mains to DALI 4.0 kV Mains to S-DIM
Environment:	Complies with WEEE and RoHS directives

Dimensions



Connections

