

## 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<sup>2</sup> – 1.5 mm<sup>2</sup> stranded or solid core
- S-DIM:** 1000 m low-loss RS485 cable, 3 or 4 cores plus screen 0.22 mm<sup>2</sup> – 1.5 mm<sup>2</sup> multistranded, twisted and shielded
- Mains:** 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.
- DSI / 1 V – 10 V:** Up to 2.5 mm<sup>2</sup>

### Power

- Mains supply:** 230 VAC (nom)  
 197 VAC – 264 VAC (abs)  
 50 Hz (nom)  
 48 Hz – 60 Hz (abs)

**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

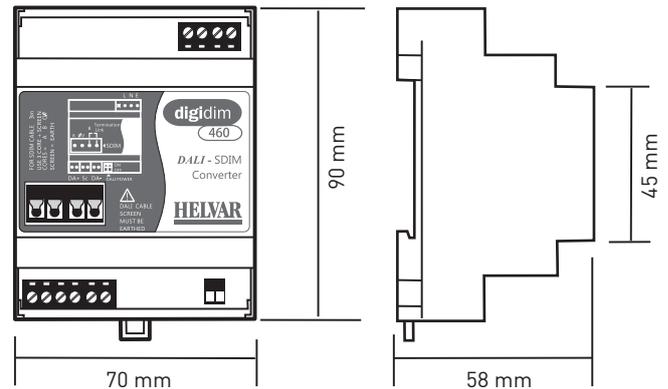
### Operating and storage conditions

- 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

