

## 472 DIGIDIM 1-10 V & DSI® Converter

The DIGIDIM 1-10 V & DSI® Converter has been designed to control electronic ballasts that comply with IEC 60929 and ballasts that comply with the DSI® standards. This ensures that DIGIDIM systems are compatible with, and easily integrated into, existing systems.

The Converter can switch a maximum of 15 electronic ballasts/drivers.

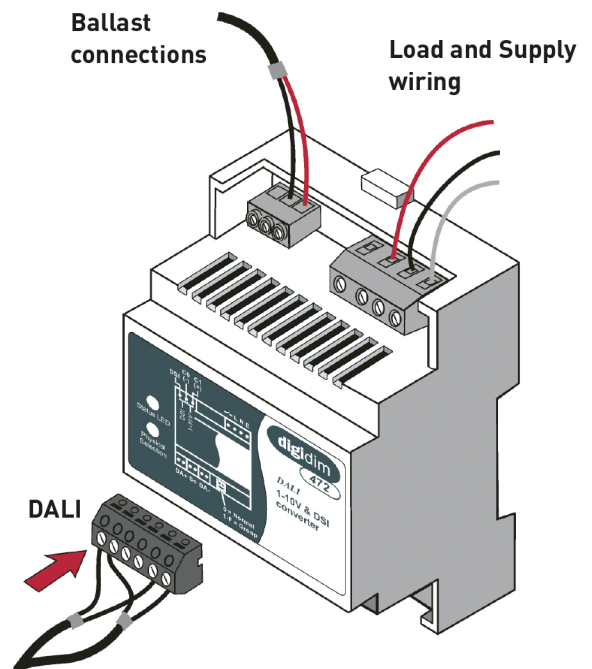
The analogue 1-10 V signal and the digital DSI® signal can control 50 electronic ballasts.

### Key Features

- Out-of-box operation provides control using DALI standard broadcast commands.
- For 1-10 V control, the Converter can switch a maximum of 15 ballasts/drivers. An external contactor should be used for more ballasts.
- Converter complies with DSI® 1 and DSI® 2 standards.
- Default light output at initial power up is 100 %.
- Universal supply voltage operation.
- DIN-rail mounted and only 70 mm wide.
- Easy programming by using the group selection switch.

### Additional Functions

- Controller status report.
  - System failure level/Ignore.
  - Power on to last level.
  - Sink or source mode.
  - Max./Min. levels, Fade times\*, Scenes\* and Groups\*.
- \* These functions are programmable using a infrared remote control.



DSI® is a registered trademark of Tridonic GmbH.

## Technical Data

### Connections

<b>DALI:</b>	Standard DIGIDIM removable terminal block 0.5 mm <sup>2</sup> – 1.5 mm <sup>2</sup> stranded or solid core
<b>Mains:</b>	Up to 4 mm <sup>2</sup> solid core or up to 2.5 mm <sup>2</sup> stranded
<b>DSI® / 1–10 V:</b>	Up to 2.5 mm <sup>2</sup>
<b>Cable rating:</b>	All cabling must be mains rated.

### Power

<b>Mains supply:</b>	100 VAC – 240 VAC (nominal) 85 VAC – 264 VAC (absolute) 48 Hz – 62 Hz
<b>Mains output:</b>	10 A resistive, switched live
<b>Load:</b>	15 × EL-HFC ballasts/drivers (Use external contactor for additional ballasts)
<b>External protection:</b>	The mains supply must be protected at 10 A maximum. The relay must be protected by a 10 A Type C MCB maximum.

**DALI consumption:** 2 mA

### Analogue output

<b>Voltage range:</b>	1 V – 10 V according to EN 60929
<b>Sink current:</b>	100 mA maximum
<b>Number of devices:</b>	50
<b>Source mode current:</b>	1.5 mA

### DSI® output

<b>Number of ballasts:</b>	50
<b>Compliance:</b>	Complies with DSI® standard v 2.0

### Mechanical data

<b>Dimensions</b>	70 mm × 58 mm × 90 mm
<b>Housing:</b>	DIN-rail case 70 mm wide
<b>Mounting:</b>	DIN rail (installation in switchgear/controlgear cabinet)
<b>Weight:</b>	140 g
<b>IP code:</b>	IP30 (IP00 at terminals)

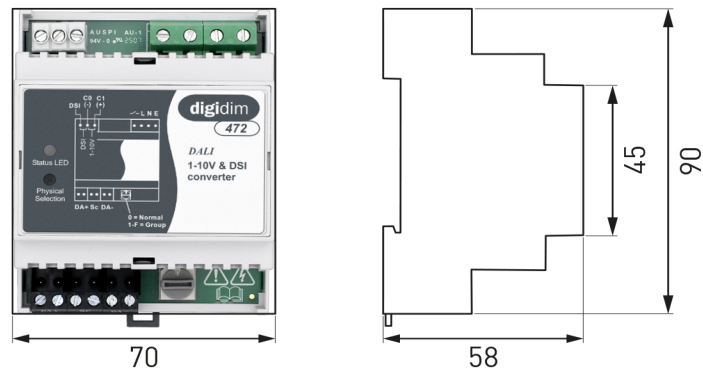
### Operating and storage conditions

<b>Ambient temperature:</b>	0 °C to +40 °C
<b>Relative humidity:</b>	Max. 90 %, noncondensing
<b>Storage temperature:</b>	-10 °C to +70 °C

### Conformity and standards

<b>EMC emission:</b>	EN 55015
<b>EMC immunity:</b>	EN 61547
<b>Safety:</b>	EN 61347-2-11
<b>Isolation:</b>	3 kV mains to DALI 3 kV mains to 1–10 V 3 kV mains to DSI® 1.5 kV DALI to 1–10 V & DSI®
<b>Environment:</b>	Complies with WEEE and RoHS directives.

### Dimensions (mm)



### Connections

