# Digidim Power Supply Unit (401)

The DIGIDIM Power Supply Unit is fully DALI-compatible, and provides a DIGIDIM system with the required supply of up to 250 mA.

The 401 is a wall-mounted unit (a mounting bracket is supplied).

It may also be DIN-Rail mounted (additional clips are provided).

The unit has a status LED that will be off if the DALI line is shorted, or if there are no loads connected. The LED is on when no short is present or when loads are connected.

Note: If a power supply unit is connected to the DIGIDIM system, no other source of power may be used.
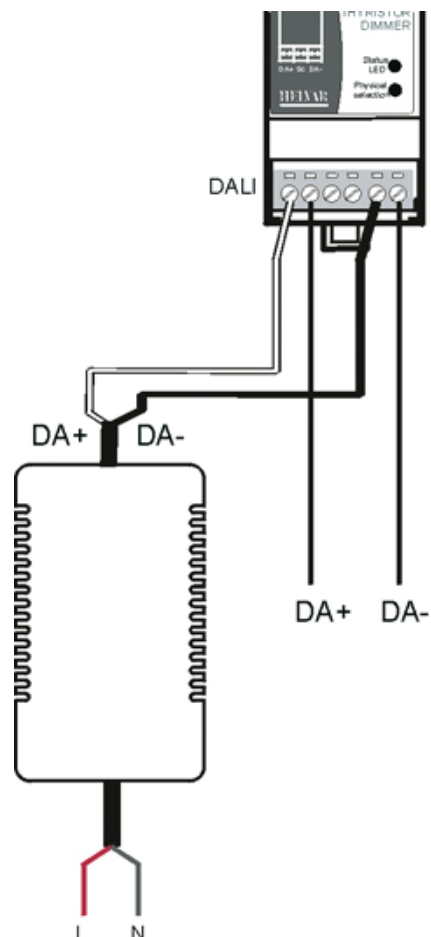
## Key Features

- Supplies power to a DIGIDIM system up to the maximum 250 mA
- Status LED indicates faults and power being supplied.
- DALI short circuit protected
- Over temperature protected
- Easily DIN-rail mounted or wall mounted with brackets supplied

## Installation Notes

- Isolate the mains supply before installation
- The power supply unit is supplied with factory fitted mains supply and DALI cables
- The external supply must be protected.  External protection must not exceed 6 A Type C MCB.
- All cabling must be 230 V mains-rated



## Connections

## Technical Data

### Connections

| | |
|---|---|
| Mains supply: | 220 VAC – 240 VAC, 50 Hz – 60 Hz; 12 VA |
| Mains cable: | 1.5 m (factory-fitted flying lead); 2 × 0.75 mm² stranded wires; Sheath: Black Live: Brown Neutral: Blue |

### Power supply

| | |
|---|---|
| Isolation: | 4 kV |
| Max. heat dissipation: | 3.6 W |
| DALI supply output: | 250 mA |
| DALI cable: | 0.22 mm² – 1.5 mm² low-loss RS485 type (multistranded, twisted and shielded) |
| Cable rating: | 1.0 m (factory-fitted flying lead); 2 × 0.75 mm² stranded wires; Sheath: Grey Positive: White Negative: Black |

### Mechanical data

| | |
|---|---|
| Dimensions: | 100 mm × 63 mm × 51 mm |
| Material: | Black plastic case |
| Mounting: | Wall or DIN-rail mounted using metal brackets (supplied) |
| Weight: | 450 g |
| IP code: | IP30 |

### Operating conditions

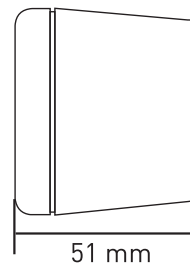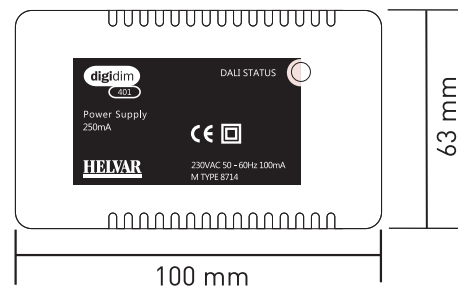| | |
|---|---|
| Ambient temperature: | 0 °C to +40 °C |
| Relative humidity: | Max. 90 %, non-condensing |
| Storage temperature: | –10 °C to +70 °C |

### Conformity and standards

| | |
|---|---|
| EMC emission: | EN 50081–1 |
| EMC immunity: | EN 50082–1 |
| Safety: | EN 60950; EN 60065 |
| Environment: | Complies with WEEE and RoHS directives |

### Dimensions



100 mm
63 mm
51 mm
450 g