

# 1 Channel Relay Controlled Mains Switch (491)

Single channel relay unit for, integration in luminaires or electrical cabinets. Designed to allow control of switched loads.

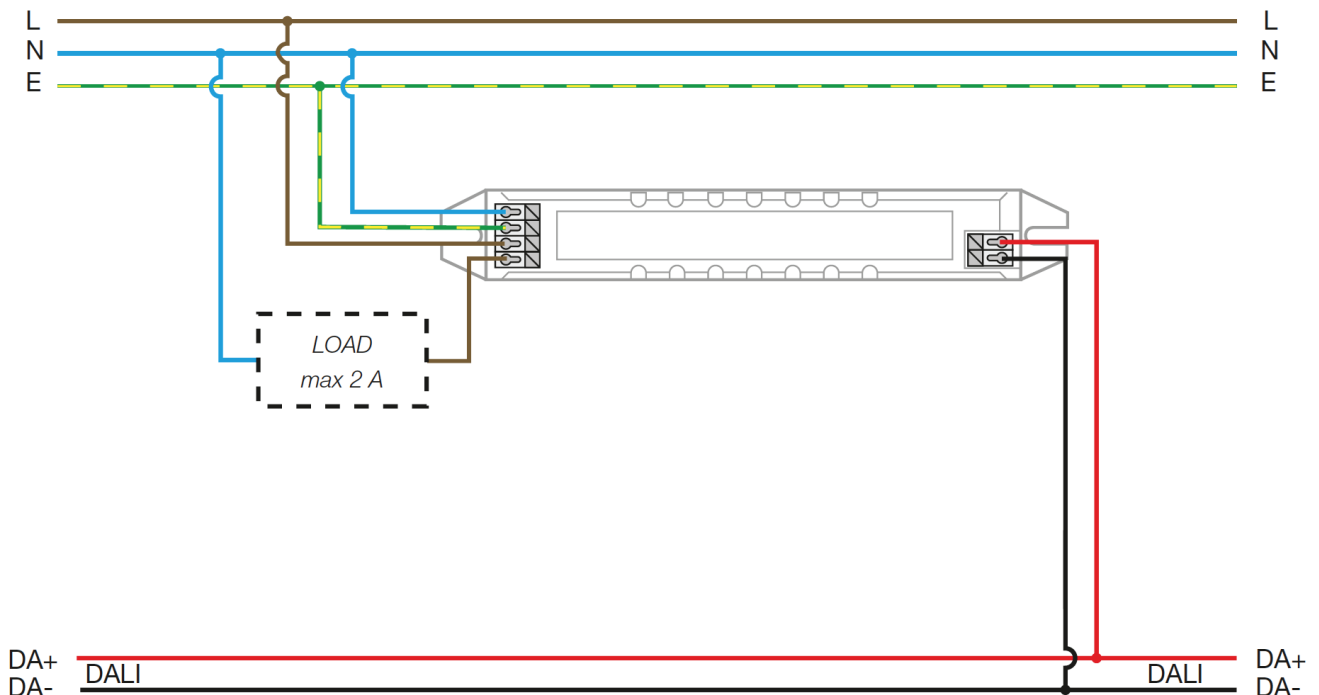
DALI mains switch is intended for installation inside luminaires or electrical cabinets. Can be used with fixed output electronic ballasts, enabling them to be added to a DALI network. A maximum load of 3 Helvar 's' series electronic ballasts may be connected. Out of box, the output will turn on when power is applied. An external power supply is required for the DALI bus.

## Key Features

- Switches up to 3 Helvar EL-s / TCs ballasts
- DALI controlled (IEC 60929)
- Switched Live out
- Compact and lightweight
- Microprocessor controlled
- Easy Fixing
- Accepts 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup> solid cable
- Can be added to most luminaires enabling them to be added to a DALI network



## Connections



## Technical Data

### Connections

**DALI:** Push-fit terminals accept 0.5 mm<sup>2</sup> – 1.5 mm<sup>2</sup> solid core wire. Strip wire back 8 mm before insertion. Push-button allows wire release.

### Power

**Supply voltage:** 200 V – 265 V  
45 Hz – 65 Hz

**External MCB protection:** 2 A

**Power consumption:** 1.3 W (max.)

**Number of devices:** 3 (max.)

**Relay load:** 2 A (resistive)  
3 Helvar EL-s / TCs ballasts  
Standby Power: 0.7 W

**Standby power:** 0.7 W

**Max. total losses:** 1.3 W

**DALI consumption:** 2 mA

### Mechanical data

**Dimensions:** 146 mm × 21 mm × 18.3 mm

**Housing:** Luminaire mount

**Weight:** 35 g

**IP code:** IP30

### Operating and storage conditions

**Ambient temperature:** 0 °C to +50 °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 61347-1

**DALI controlled** IEC 60929

**Environment:** Complies with WEEE and RoHS directives

### Dimensions

