493 Single-Channel Signal Relay Unit

The 493 is a single-channel relay unit, designed to allow interfacing with other building control and management systems.

The 493 signal relay unit is in a plastic enclosure, so it can be installed within a third-party equipment enclosure, electrical cabinet, or used as an in line unit.

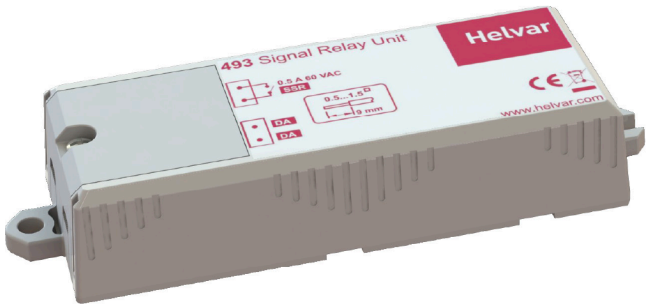
The relay is a solid-state, normally open signal relay, with a contact rating of 60 VAC or VDC, at a maximum of 0.5 A.

This unit must not be used to switch mains voltages.

The unit is powered from the DALI network.

The compact enclosure has mounting lugs at each end, and cable grips are provided as part of the terminal cover.

The unit forms a DALI relay node with a typical current consumption of 10 mA, and is programmable as a single-channel relay by Helvar's lighting design software, Designer and Toolbox.

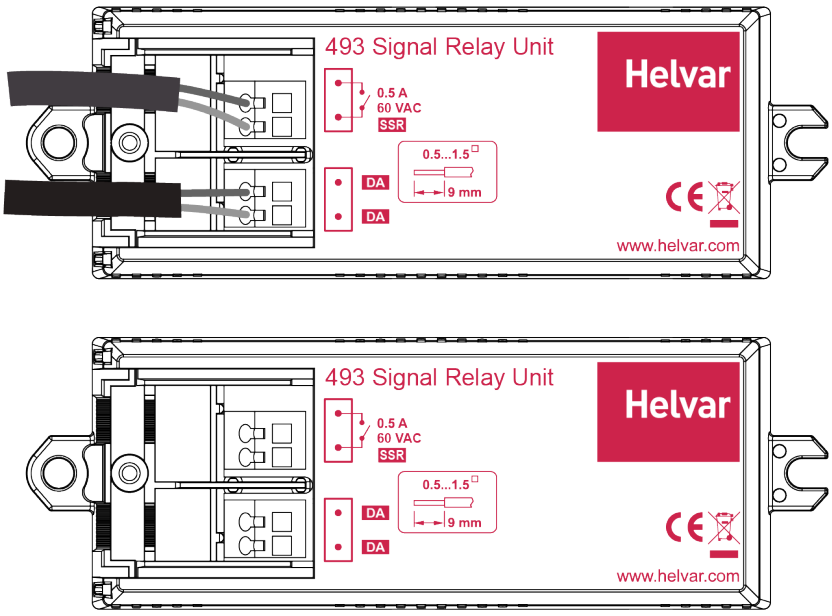


Note: This unit does not contain a DALI power supply and therefore one must be incorporated elsewhere in the system.

Key Features

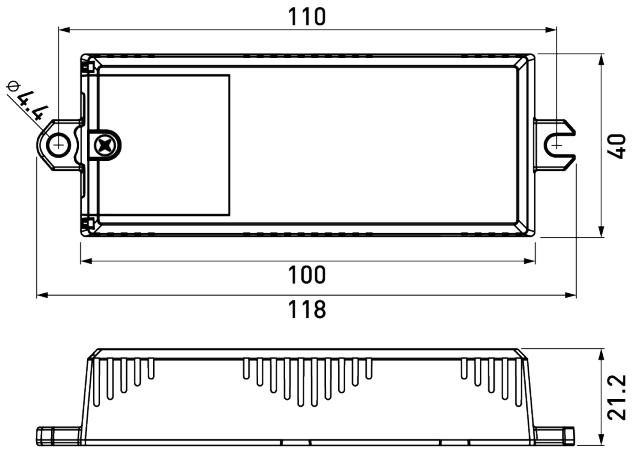
- Low power switching capability (0.1 mA to 0.5 A; 60 V)
- Solid state low-current relay
- Compact size for electrical panel or in-line mounting
- Secure wire connection cover

Connections



Note: The DA+ and DA– wires can go in either of the DALI connectors.

Dimensions (mm)



Technical Data

Relay Contacts	
Relay contacts:	Normally open signal solid state relay (SSR)
Voltage:	60 VAC or VDC
Isolation:	4 kV
Maximum load:	0.5 A
Minimum load:	0.1 mA

Connections	
DALI:	0.5 mm² – 1.5 mm² stranded or solid core Strip length: 8.5 mm to 9.5 mm
DALI consumption:	10 mA DALI cabling must be 230 V mains rated
Relay:	0.5 mm² – 1.5 mm² stranded or solid core Strip length: 8.5 mm to 9.5 mm

Operating and storage conditions	
Ambient temperature:	0 °C to +40 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	-10 °C to +70 °C

Mechanical data	
Dimensions:	118 mm × 40 mm × 21.2 mm
Weight:	38 g
Housing:	White plastic (polycarbonate)
IP rating:	IP30

Conformity and standards	
Conformity:	CE UKCA
EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 61347-2-11
Environment:	Complies with WEEE and RoHS directives.