DA-SL-AD series

DALI addresser, DIL switch addressed

Overview

The DA-SL-AD series are a range of DALI addressers that can be setup using simple to use DIL switches. An addresser takes in a message from an addressable DALI system and translates it into a broadcast message so that the luminaire ballast(s) does not have to be addressed using a PC or other methods.
These addressers can be used in a DALI control system and have the following standard features.

- Simple means of addressing a DALI group using DIL switches.
- No power needed to addresser whilst setting the addresses.

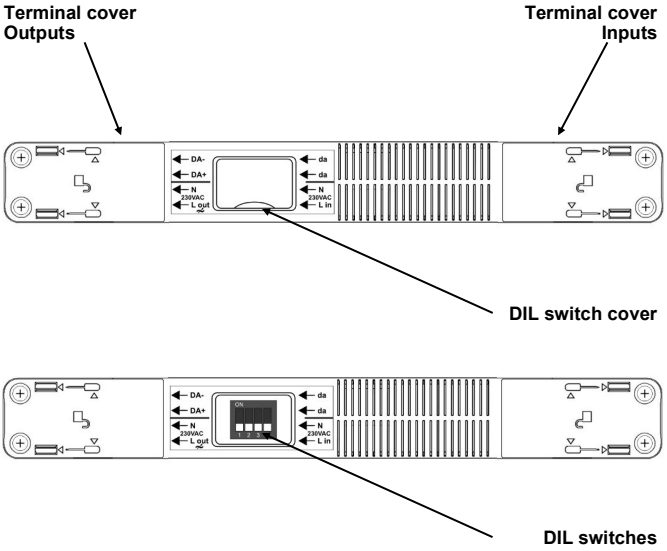
Available with the following options.

- Digital output version that can drive DALI or DSI ballasts.
- Relay option for supplying switched mains to loads.
- 1-10V version for analogue ballasts.

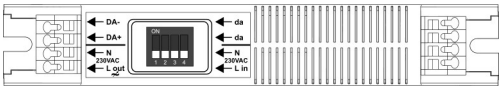
Two termination versions are available. The stand alone version is designed for is suitable for mounting remotely using screw terminals. The -SP version is designed for fitting inside a luminaire using spring connectors.

Features

-Standalone version



-SP Spring terminal version



Terminal covers
Covers for input and output terminals that also act as cable clamps with the supplied screws.

DIL switch cover
Protective cover for DIL switches.

DIL switches
Use switches the following functions:

- Set the addresser's Group number for DALI systems.
- Switch between DALI or DSI output (DA-SL-ADD and DA-SL-ADDR versions only).

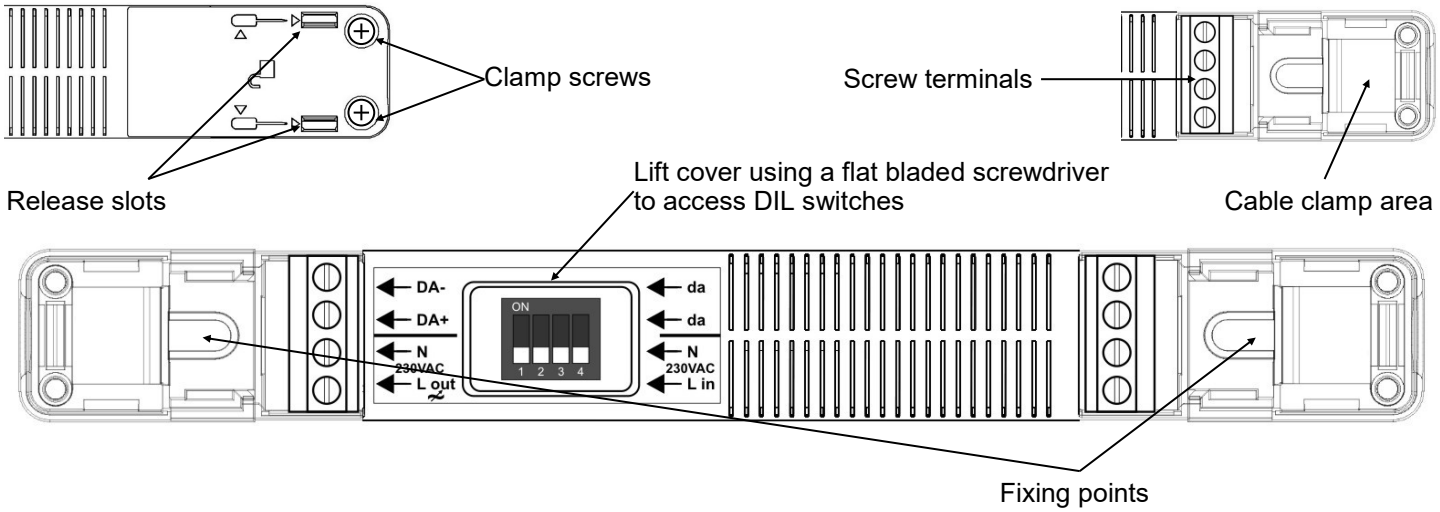
See page 3 for details

Installation

Standalone versions

Mount and wire the unit in the following method.

- Remove terminal covers by unscrewing the clamp screws and inserting a small flat-bladed screwdriver into the slots shown in the diagram below.
- Affix the addresser using the fixing slots shown in the diagram below . The fixing slots are suitable for M4 screws.
- Wire unit using the screw terminals. The screw terminals are suitable for solid core or stranded cable up to 2.5mm^2. Maximum cable OD 10mm.
- Ensure that the main cable sheathing is over the cable clamp area.
- Clip on the terminal covers.
- Insert the clamp screws and screw up until the cable is firmly clamped.

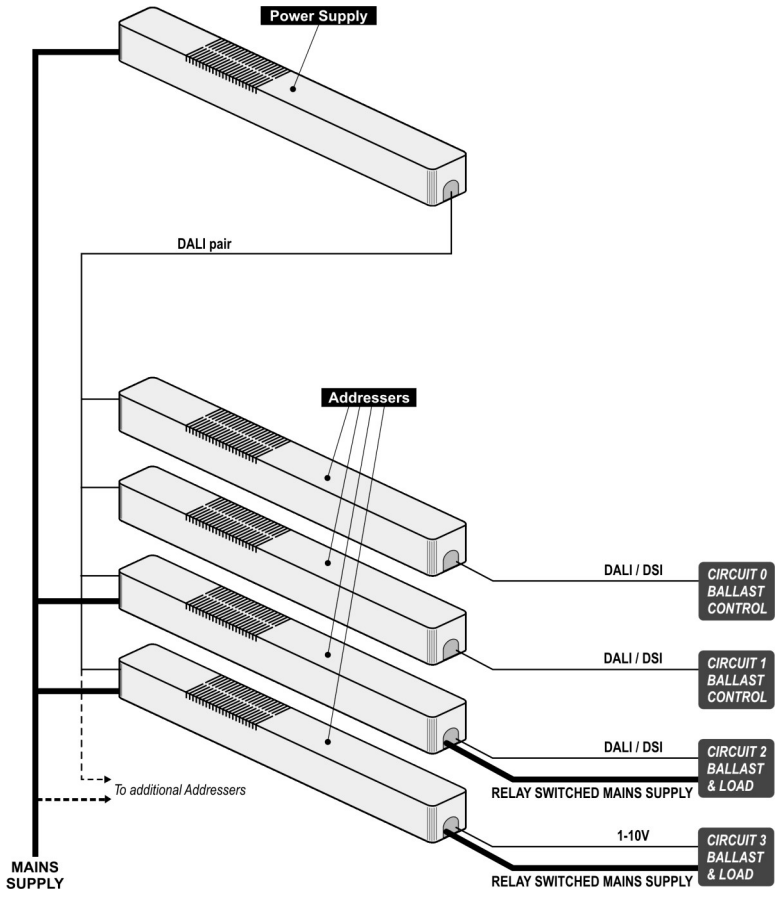


-SP versions

Mount and wire the unit in the following method.

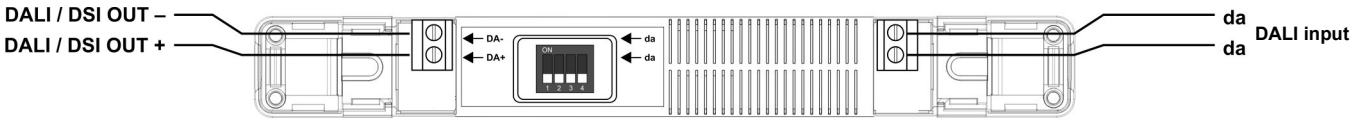
- Affix the addresser to the inside of a luminaire using M4 screws as shown via the fixing points above.
- Use a flat-bladed screwdriver to depress the spring actuators. Insert cable when the actuator is fully depressed. Release of the sprung actuator clamps the conductor. The sprung terminals are only suitable for solid core cable up to 1.5mm^2.

DALI system wiring example

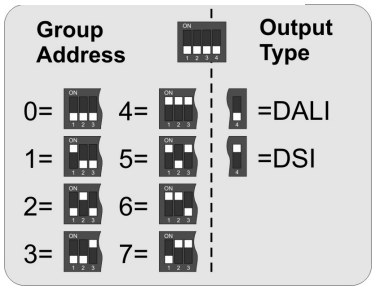


Wiring diagrams

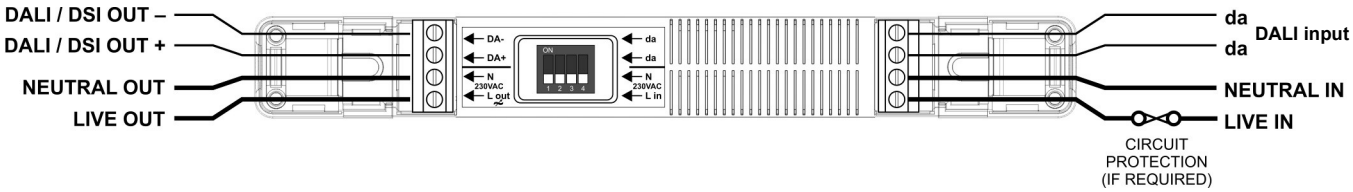
DA-SL-ADD



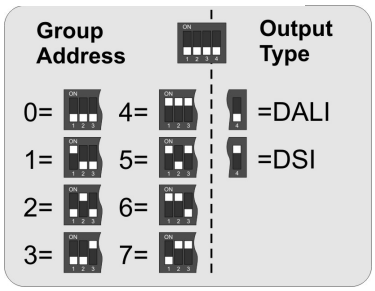
DIL switch settings



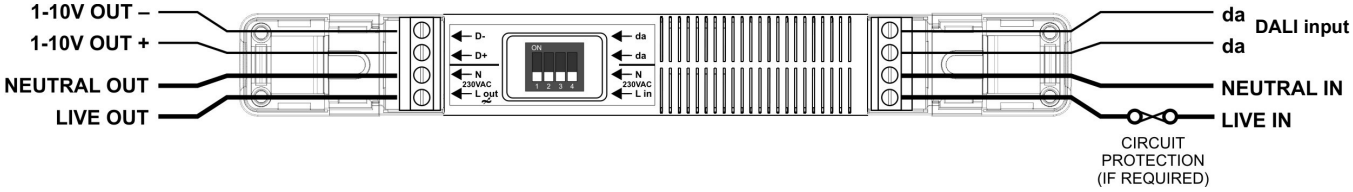
DA-SL-ADDR



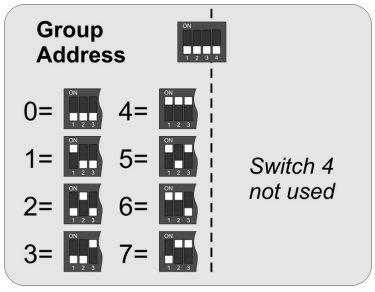
DIL switch settings



DA-SL-ADAR



DIL switch settings



Technical data

Dimensions	See diagram opposite	
Weight	DA-SL-ADD	0.06kg
	DA-SL-ADDR	0.07kg
	DA-SL-ADAR	0.07kg

DALI bus (all addressers)

Supply Voltage	9.5VDC - 22.5VDC	
Supply Current	DA-SL-ADD	8mA
	DA-SL-ADDR	16mA
	DA-SL-ADAR	16mA

Cannot be considered as SELV since DALI, DSI and 1-10V ballasts only offer basic insulation, therefore all devices on the DALI bus must be wired as if carrying mains potential.

Maximum number DALI, DSI or 1-10V ballasts is 10

DA-SL-ADDR & DA-SL-ADAR only

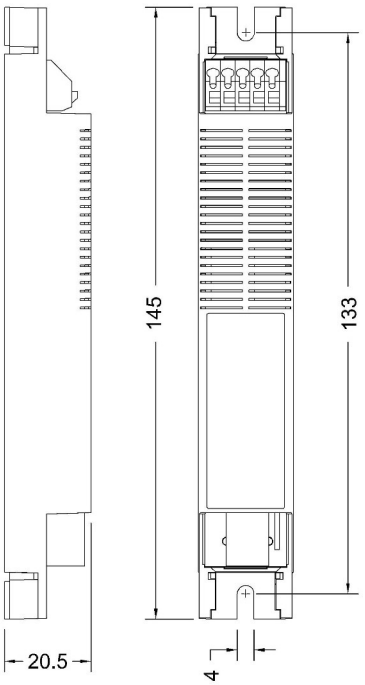
Supply Voltage	230VAC +/- 10%
Frequency	50Hz
Maximum Load	2A of lighting and/or ventilation including incandescent, fluorescent, compact fluorescent, low voltage (by switching the primary of transformer). Switch SON lighting loads via a contactor.

Terminal Capacity	Screw terminal versions 2.5mm^2 Spring terminal versions 0.75mm^2
Temperature	-10ºC to 35ºC
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant PC
Type	Class 2
IP rating	IP40
Compliance	EMC-2014/30/EU LVD-2014/35/EU

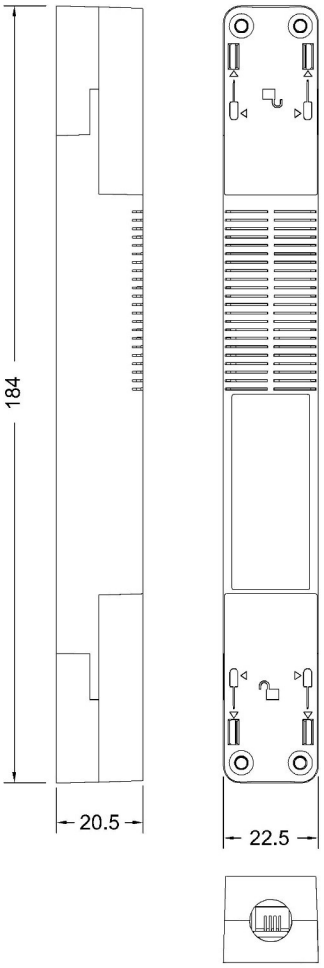
For further compliance information visit www.cpelectronics.co.uk/compliance

CE

-SP versions



Standalone versions



Part numbers

	Part number	Description
Addressers	DA-SL-ADD	DALI addresser-DIL-DALI/DSI
	DA-SL-ADDR	DALI addresser-DIL-DALI/DSI-relay
	DA-SL-ADAR	DALI addresser-DIL-1-10V-relay
	DA-SL-ADD-SP	DALI addresser-DIL-DALI/DSI spring terminals
	DA-SL-ADDR-SP	DALI addresser-DIL-DALI/DSI-relay spring terminals
	DA-SL-ADAR-SP	DALI addresser-DIL-1-10V-relay spring terminals
Power supply	DA-SL-PSU	DALI PSU

UK Patent no. GB2467196
International patents pending

IMPORTANT NOTICE!
This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any applicable Building Regulations.

bsi. ISO 9001 Quality Management FM 45789 | ISO 14001 Environmental Management EMS 534520 | ISO 45001 Occupational Health and Safety Management OHS 642036

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