

## DM-SL-AD series

### D-Mate addresser, DIL switch addressed

#### Overview



The DM-SL-AD series are a range of D-Mate 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 the following systems.

- D-Mate lighting control system
- DALI control system

The addressers also have the following standard features.

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

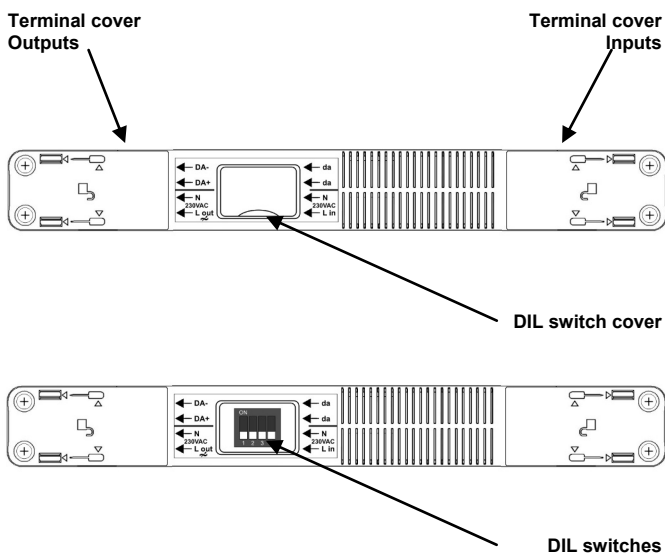
Available with the following options.

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

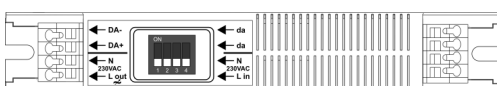
Two termination versions are available. The stand alone version is designed for is suitable for mounting remotely using screw terminals. The -SP version is designed for fitting inside a luminaire using spring connectors.

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

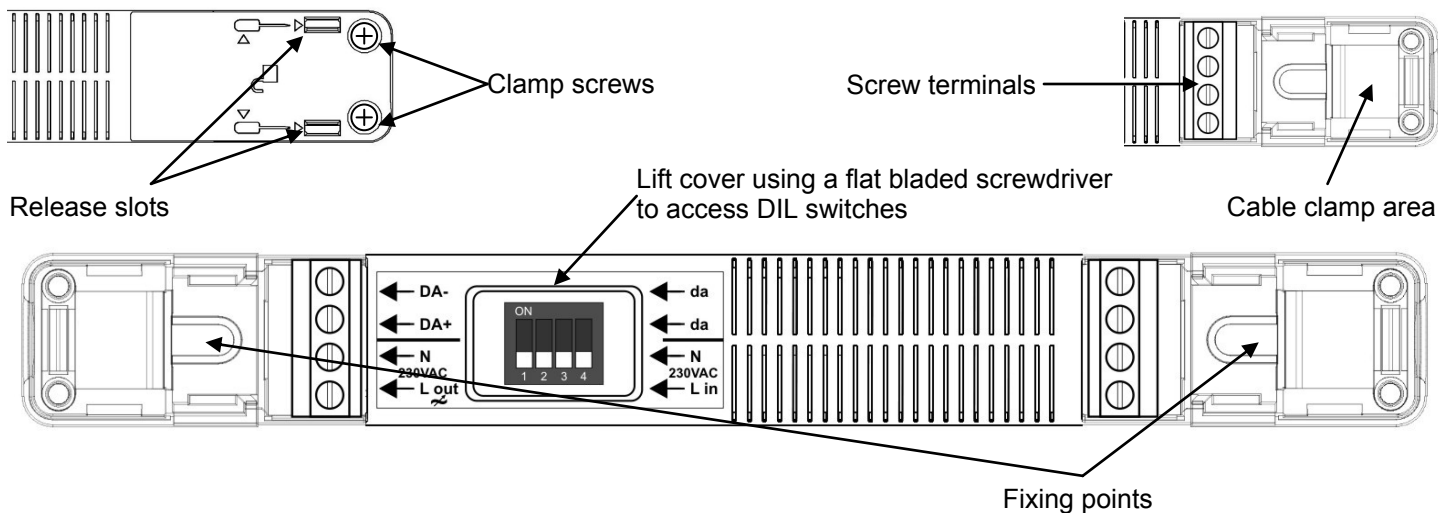
See page 3 for details

# Installation

## Standard alone 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<sup>2</sup>. 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.

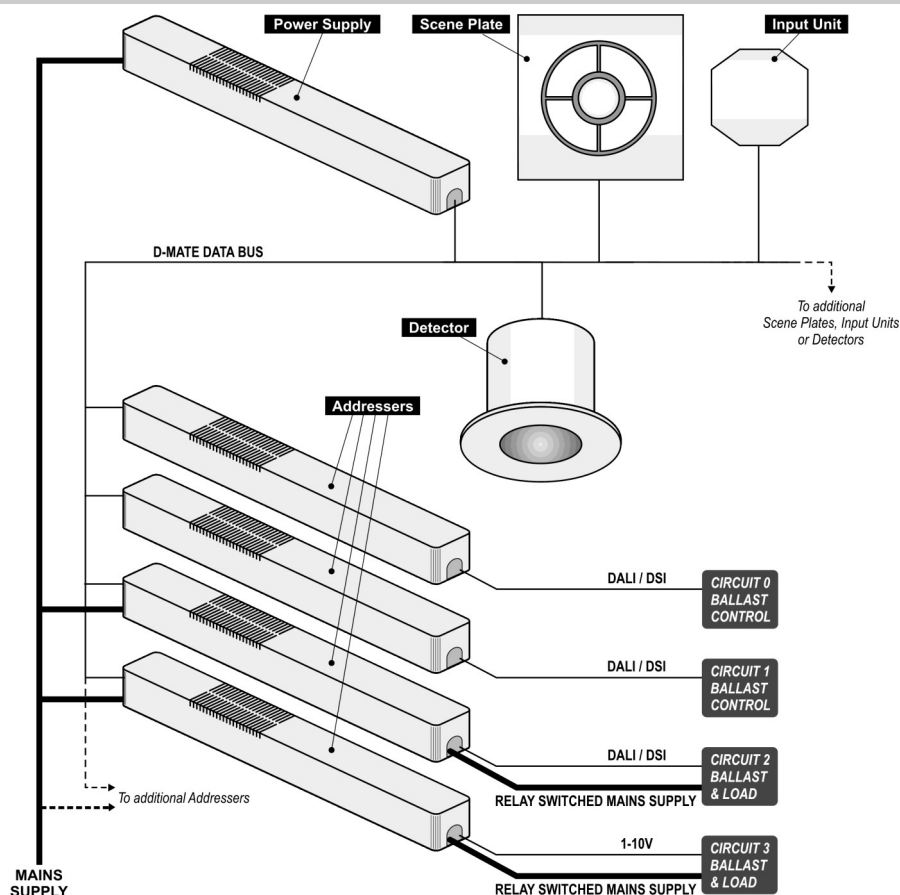


## -SP versions

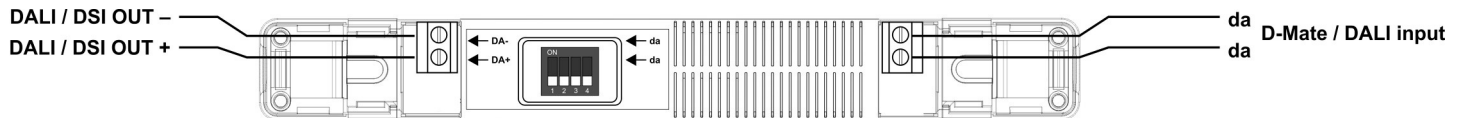
Mount and wire the unit in the following method.

- 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<sup>2</sup>.

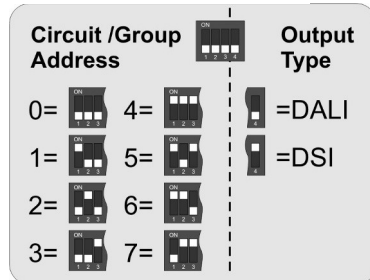
## D-Mate system wiring example



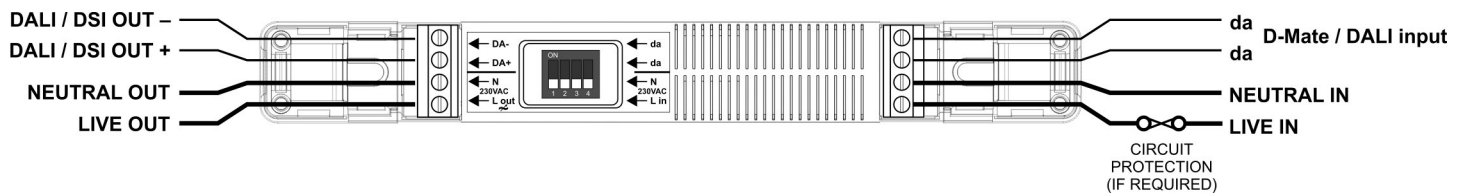
## DM-SL-ADD



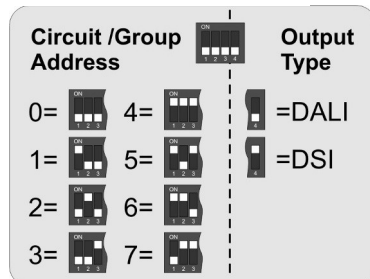
### DIL switch settings



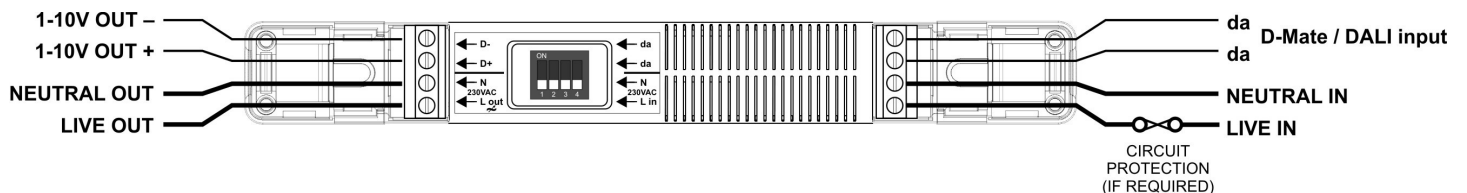
## DM-SL-ADDR



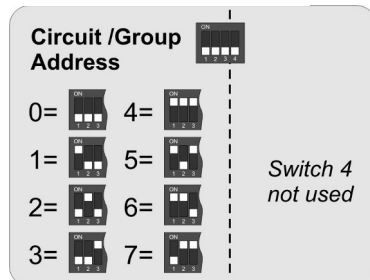
### DIL switch settings



## DM-SL-ADAR



### DIL switch settings



## Technical data

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

### D-Mate / DALI bus (all addressers)

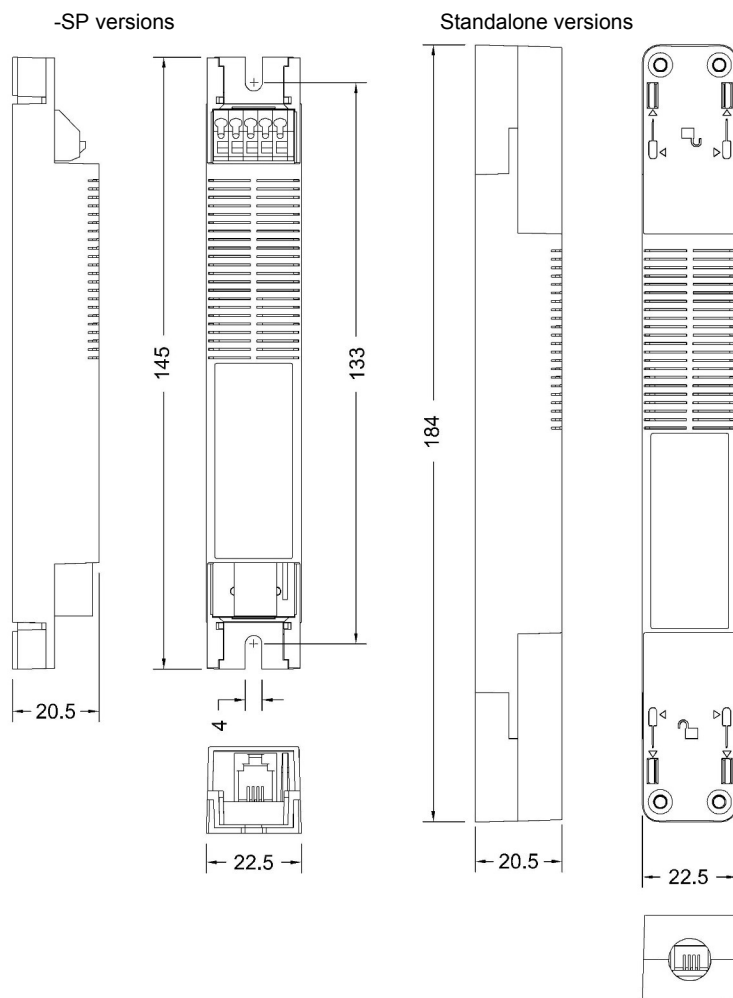
Supply Voltage	9.5VDC - 22.5VDC	
Supply Current	DM-SL-ADD	8mA
	DM-SL-ADDR	16mA
	DM-SL-ADAR	16mA
Cannot be considered as SELV since DALI, DSI and 1-10V ballasts only offer basic insulation, therefore all devices on the D-Mate / DALI bus must be wired as if carrying mains potential.		

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

### DM-SL-ADDR & DM-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 <sup>2</sup> Spring terminal versions 0.75mm <sup>2</sup>
Temperature	-10°C to 35°C
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant PC
Type	Class 2
IP rating	IP40
Compliance	EMC-2004/108/EC LVD-2006/95/EC



## Part numbers

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

### 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.



Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.

**UK Patent no. GB2467196**  
International patents pending



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