



AL-Struct Wiring panel for dimmer Power and data

Product Description - AL-DR-Struct

This structured wiring panel allows 6 groups of AL-DALI switch dimmers to be easily connected to a DC power source.

The Data Module has data connectors for 6 strings of any type of DALI device – with up to 35 DALI devices total. It allows multiple panels to connect into a larger network with built in DALI repeaters and power supply. Use CAT-3 or better and RJ45 connectors for simple interconnect. This is not Ethernet – just simple DALI data.

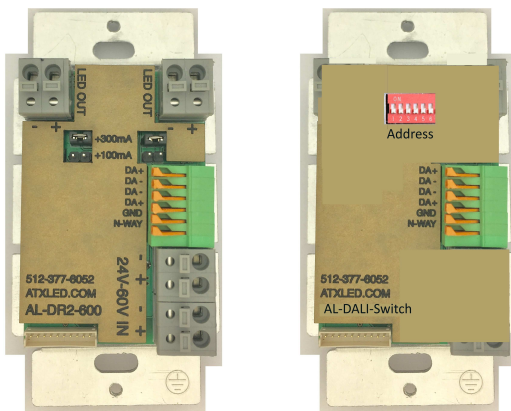
The Power Module has Spring Loaded quick connections for tool-less installation. Each DC output is fuse protected to 2 amps. Dual DC inputs are configured for load balancing and lossless Relay failover. The device has input power and Daisy Chain support for up to 10 amps (500 watts) . Typically used with one or two Meanwell 500 watt power supplies – from 48 to 56 volts.

Mix and match the number of Power modules and Data modules you need.

Connect an Home Automation DALI gateway to allow voice control of the entire house.

Specifications

Power source and load	Spring loaded connectors
Failover	Relay from 2 DC power inputs LED status for failover display
Input voltage range	24v to 57 volts
Dali Bus power	16v at 50 mA for 25 DALI devices 50 milliwatts standby
Internal Power consumption	1.5 watts peak during DALI transmission (20 milliseconds per packet)
Protection	Reverse protection and static protection
Operating Temperature	0°C ~ 50°C
Size	255mm x 45mm x 65 mm
Hot Swap	Yes – can unplug and connect power and/or data with power applied.
Earth Ground	Bus bar for earth grounding
Other Options	Please see our DMX and PoE products



Typical DALI wall switches and dimmers

