



DALI Product Range

Designed in Australia to be compatible for all DALI systems

gerardlighting.com.au

GERARD
LIGHTING

Dignet - your experts for DALI Lighting Controls

DALI IS THE INTERNATIONAL STANDARD FOR LIGHTING CONTROLS.

The Dignet range of DALI products has been designed in Australia for Australian and New Zealand conditions.

- Large termination space and terminals
- Design for the variations in heat and humidity encountered in Australia and New Zealand
- Locally engineered and supported

One Channel DALI Relay Device

DGOZ-RLY-10A-01

240Vac rated relay capable of switching 10A of LED, fluorescent, incandescent and HID lighting loads, making it suitable for a wide range of commercial and industrial building applications. Includes a patented feature to maximise relay contact life.



Single Line DALI Power Supply

DGLMPS01

Provides power for one DALI line that contains DALI lighting fixtures, including DALI emergency lighting, RGB colour changing controllers, switches, sensors and interface devices.

FEATURES

- DALI line current 238mA nominal and 225mA minimum
- DALI line supply voltage 18V dc nominal
- DIN rail mounted
- Mains supply and DALI status indicators
- Width 37.5mm
- Designed in Australia
- DALI Compliant



FEATURES

- Switches up to 10A of LED, fluorescent, and HID lighting
- LED indicators (DALI and power)
- Large termination space
- Large terminals for 1.5mm² and 2.5mm² cables
- Suitable for mounting in a ceiling void
- Fits through a 90mm downlight hole
- Optional DIN rail mounting bracket
- Dimensions 131 x 80 x 22mm
- Designed in Australia
- DALI Compliant

APPLICATIONS

The device is suitable for general purpose 10A load switching via DALI in many applications, for example

- Underground car park lighting
- ON/OFF control of Highbay luminaires
- ON/OFF control of a group of luminaires if individual control or dimming is not required
- Landscape lighting
- Large chandeliers with no DALI driver

Two Channel DALI Relay Device

DGOZ-RLY-10A-02

Includes two 240Vac rated relays, each capable of switching 10A of LED, fluorescent, incandescent and HID lighting load, making it suitable for a wide range of commercial and industrial building applications. Includes a patented feature to maximise relay contact life.



FEATURES

- Two 10A rated relays for LED, fluorescent, and HID lighting
- LED indicators (DALI and power)
- Large termination space
- Includes Neutral & Earth termination bars
- Large terminals for 1.5mm² and 2.5mm² cables
- Suitable for mounting in a ceiling void
- Fits through a 90mm downlight hole
- Optional DIN rail mounting bracket
- Dimensions 131 x 80 x 22mm
- Designed in Australia
- DALI Compliant

APPLICATIONS

The device is suitable for general purpose 10A load switching via DALI in many applications, for example

- Underground car park lighting
- ON/OFF control of Highbay luminaires
- ON/OFF control of a group of luminaires if individual control or dimming is not required
- Landscape lighting
- Large chandeliers with no DALI driver

DALI USB Interface Device

DGLMIFU01

Enables an electrician to quickly and easily program and re-program DALI Short Addresses in DALI LED drives, relays and other devices. With this device, programming can be carried out with a PC or via a Wi-Fi connected smart phone/tablet. Also provides the installer with a quick and easy way to test basic communication of a DALI line without connecting to a PC.



FEATURES

- Simple and fast DALI Short Address commissioning
- Commission from a mobile device or from a PC
- Test basic DALI line operation without a PC
- Buttons for manual control of a DALI line during commissioning
- Connects to a DALI line via supplied banana plug leads
- LED indicators for DALI comms, DALI power and USB
- Durable, hand held device
- Housed in a protective silicon case
- Designed and manufactured in Australia
- DALI Compliant



DALI Adaptive Phase Angle Dimming Device DGOZ-DM-400W-01

Designed for dimming up to 400W of connected lighting via DALI commands issued on a connected DALI line. The device is capable of dimming up to 400W of phase dimmable LED lighting.



FEATURES

- Suitable for LED and traditional light sources
- Capable of dimming up to 400W of phase dimmable LED lighting
- Two wire dimming device – No Neutral required
- Line powered – draws only 2mA from a DALI Line
- Large termination space
- Large terminals for 1.5mm² and 2.5mm² cables
- Suitable for mounting in a ceiling void
- Can be DIN rail mounted using the included DIN rail mounting bracket
- Dimensions: 131 x 44 x 30mm
- Designed in Australia
- DALI Compliant

APPLICATIONS

The device is suitable for dimming a group of luminaires via DALI when the luminaires do not contain individual DALI drivers. Any luminaires with standard phase dimmable drivers can be dimmed by connecting this device. Typical applications include:

- Hotel ballrooms and conference centre retrofits
- Bars, pubs and clubs with phase dimmable LED, tungsten and halogen lighting
- Residential dimming
- LED upgrades where existing 'big box dimmers' cause LED lights to flicker
- LED upgrades where existing leading edge 'big box dimmers' cause high electromagnetic (radio frequency) interference

COMPATIBLE LOAD TYPES

LOAD SYMBOL	LOAD TYPE	MAXIMUM LOAD	NOTES
	LED Lamps and Drivers	400W	Maximum permitted number of drivers is 400W divided by driver name plate power rating. Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power – factor result when connected to switch.
	CFLs	400W	Due to variety of CFL designs, maximum number is make/model dependant.
	Standard Iron-Core Transformers	250W	Due to variety of transformer designs, maximum LV lighting load is also dependent on transformer efficiency.
	Toroidal Iron-Core Transformers	300W	
	Electronic Transformers	400W	
	Incandescent	350W	

The device is not suitable for use with ceiling sweep fans, exhaust fans or any motor loads.

What is DALI?



DALI (DIGITAL ADDRESSABLE LIGHTING INTERFACE) IS THE INTERNATIONAL STANDARD FOR LIGHTING CONTROL, DEFINED BY INTERNATIONAL STANDARD IEC62386

Two-wire control cable

DALI requires a dedicated two-wire control cable to communicate between DALI devices

Topology free

The wiring between DALI units is 'topology free'. This means that units can be wired in any order. Combinations of a 'daisy chain', 'spurs' and star wiring are allowed

Double insulated mains wiring

The nominal DALI Line voltage range is 9.5Vdc – 22.5Vdc, however DALI has only Basic Insulation (1500Vac) from mains potential. Therefore, **the DALI Line must always be run using double insulated mains wiring**

Licensed electrician required to install

The installer of DALI devices must be suitably qualified and should work in accordance with standard safety procedures for mains-powered electrical equipment

300m of cable per DALI line

Up to 300m of 1.5mm² double insulated mains twin cable on each DALI line

One DALI power supply per line

Each DALI line must include a DALI power supply, with the power supply delivering a maximum of 250mA to the connected DALI line

64 DALI devices per line

Up to 64 DALI devices on each DALI line. A maximum of 55 devices per line is recommended to allow for future additions

National support office: 1300 799 300

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