

# Single Line DALI Power Supply



[www.dignet.net.au](http://www.dignet.net.au)



Range **DGLMPS01**

## Overview

The DALI Single Line Power Supply is part of the Dignet Lighting Management System which incorporates the Digital Addressable Lighting Interface (DALI) open standard protocol for lighting.

Each DALI line in an installation requires a dedicated DALI power supply for correct operation of the DALI system. The unit provides power for one DALI line that may contain lighting fixtures, including emergency lighting, RGB colour changing controllers, switches, sensors and interface devices. Each of these DALI devices draws power from the DALI line which is provided by the DALI Power Supply.

## Features

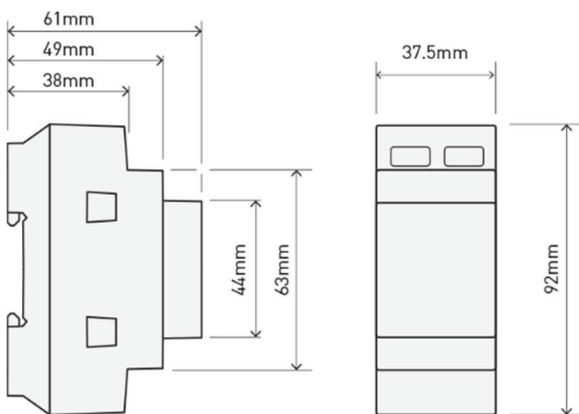
**Designed to ensure the maximum current delivered to a DALI line will not be exceeded**

**The nominal rated load current for the DALI Power Supply is 238mA with a guaranteed minimum load current of 225mA**

**DIN rail mounted  
Designed in Australia**

**Indicators for displaying the mains supply connection and the DALI line status**

## Dimensions





## Specifications

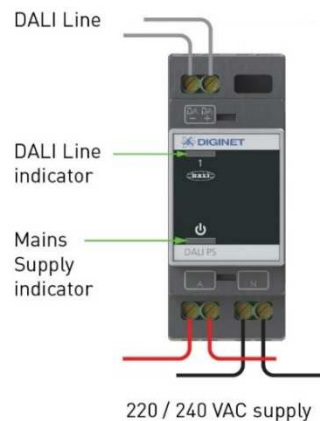
Electrical	
Input Voltage	220 – 240V ac
Input power	10V A
Frequency	50/60Hz
DALI line capacity	1
DALI line supply voltage	18V dc (nominal)
DALI line supply current	238mA (nominal)/ 225mA (minimum)
Isolation	≥3.75kV ac (DALI line/mains supply)
Start-up time	←1 sec
Mechanical	
DALI line terminals	Screwed – 3 x 1.5mm <sup>2</sup> solid/stranded
Mains supply terminal	Screwed – 3 x 1.5mm <sup>2</sup> or 2 x 2.5mm <sup>2</sup> solid/stranded per tunnel
Ingress protection	IP20
Materials	Enclosure/fascia flame resistant polycarbonate
	DIN rail clip – ABS
Weight	104g
Dimensions	See separate diagram
Environment	
Ambient operating temp.	0 to 50°C
Ambient storage temp.	-10 to 70°C
Humidity	0% to 95% RH non condensing

## Indicators

DALI Line Indicator	
Indicator Operation	Outcome
Green – ON	Correct operation, supplying 18V dc (nominal) to the DALI line
Green/Blue - Flashing	DALI communications occurring on the connected DALI line
Green/Blue – ON	Overload condition – too many DALI devices or a faulty device(s) on the DALI line
Blue – ON	Short circuit on the connected DALI line
OFF	DALI line power error. Check that 220/240V ac mains supply is connected correctly

Mains Supply Indicator	
Indicator Operation	Outcome
Green – ON	Correct operation indicating 220/240V ac mains supply is present
OFF	No 220/240V ac mains supply connected

## Connections



## Approvals & Compliance



## CONTACT INFORMATION

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## PRODUCT OF DIGINET CONTROL SYSTEMS PTY LTD

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## A MEMBER OF THE GERARD LIGHTING GROUP

The product includes a **TWO-YEAR WARRANTY** against manufacturing defects. Fully warranty terms can be found here [www.dignet.net.au](http://www.dignet.net.au)

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