

**Order Code** DGOZ-DPSM

**Overview** A miniature DALI-2 certified Power Supply for a single line of 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.






This unit provides up to 50 mA of power for one DALI line that may contain lighting fixtures including emergency lighting, fluorescent or LED lamp, colour changing lighting, conversion devices, 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**
- Miniature size to suit wall-box or other install locations.
  - Indicators to show normal operation and fault conditions.
  - Maximum DALI current 50 mA / Guaranteed current 40 mA. For higher currents, multiple miniature power supplies can be connected in parallel.
  - DALI power supply output is tolerant of accidental connection to mains.
  - Complies with DALI standard IEC 62386-101.

## Connections



### Specifications

Parameter	Specification	
Nominal Input Voltage	90 – 240 V ac	
Input Power	2 W	
Frequency	50/60 Hz	
DALI line capacity	1	
DALI line supply voltage	14-20 V dc	
DALI line rated current	40 mA (guaranteed) / 50 mA (maximum)	
DALI line mains tolerance	DALI output is tolerant of accidental connection to mains	
Suitability	DALI and DALI-2 systems	
Isolation	Single Insulation > 1500 V ac (DALI line / mains supply)	
Start-up Time	< 20 ms	
DALI Line Connection	Flying leads: purple (+) and grey (-) colour, 150 mm length	
Mains Supply Connection	Flying leads: white colour, 150 mm length	
Ingress Protection	IP40	
Enclosure Materials	Enclosure: Flame retardant Polycarbonate, UL 94V-0	
Weight	20g	
Ambient Operating Temp.	0 to 50° C	
Ambient Storage Temp.	-10 to 70° C	
Humidity	0% to 95% RH non-condensing	
Green Indicator	ON	Mains power present
	OFF	No Mains power present
Blue Indicator	ON	Short circuit on the connected DALI line; or Overload condition – too many DALI devices or a faulty device(s) on the DALI line. <b>FAULT NEEDS TO BE CHECKED AND CORRECTED.</b>
	OFF	Normal operation – DALI idle
	BLINKING	Normal operation – DALI communication
Red Indicator	ON	Mains is connected to the DALI line. <b>FAULTY WIRING NEEDS TO BE CHECKED AND CORRECTED.</b>
	OFF	DALI output does not have mains connected.
Approvals	    	

### Parallel Connection

If additional DALI power is needed, then up to 5 miniature DALI power supplies can be connected in parallel to a DALI line, for a maximum current of 250 mA.

**Standards & Compliance*****EMC and Electrical Safety Frameworks and Standards***

AS/NZS CISPR 15:2011

EN 61000-3-2:2009

EN 61000-3-3:2013

EN 61547:2009

AS/NZ 61347.1:2002, EN 61347-1:2008+A1, A2

AS/NZ 61347.2.2:2007

EN 61347-2-11:2002

IEC 61347-2-13

***DALI Standards and Compliance***

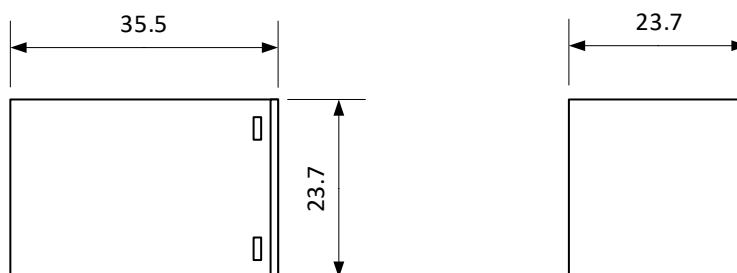
IEC 62386-101, Ed 2 (DALI-2)

***EC Council Directives***

2014/35/EU Low Voltage

2014/30/EU Electromagnetic Compatibility (EMC)

2015/863 Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

**Dimensions**

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**Contact Information**

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This product includes a **TWO-YEAR WARRANTY** against manufacturing defects.

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