



**Order Code** DGLMIFE02

**Overview** The RAPIX DALI Ethernet Interface Device can be used as part of the RAPIX Lighting Control System which uses the Digital Addressable Lighting Interface (DALI) open standard protocol for lighting.

The device provides an isolated communication path between Ethernet and DALI. Control and monitoring of DALI enabled luminaires and emergency lighting devices can be performed by an ethernet-connected device.

When used in conjunction with the PC-based RAPIX Emergency software, DALI emergency lighting devices can be monitored on a schedule with automatic generation of test and maintenance reports.

**Features** Supports two DALI lines and each line can have up to 64 DALI addressable units such as LED drivers, Fluorescent Ballasts, and Emergency Lighting Drivers.

4 mA current draw on each DALI line.

Operates with 10 / 100 / 1000 Mbits / sec twisted pair network types.

Supports SNMP monitoring for managed networks.

Address assignment with DHCP or static setting.

With RAPIX Emergency software, multiple Ethernet / DALI Interface devices may be installed and operate as a single system.

Connection on the device uses an RJ45 8 pin socket (T568A termination).

The DALI line terminals and the SELV power supply terminals are both sized to allow 3 x 1.5 mm<sup>2</sup> or 2 x 2.5 mm<sup>2</sup> (solid or stranded) conductors to be terminated.

DIN rail mounted.

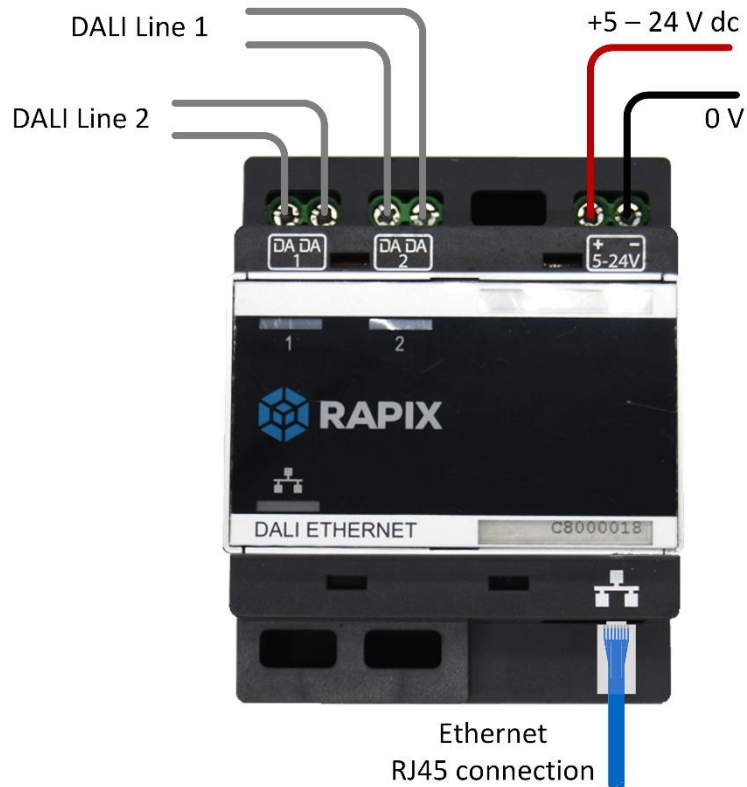
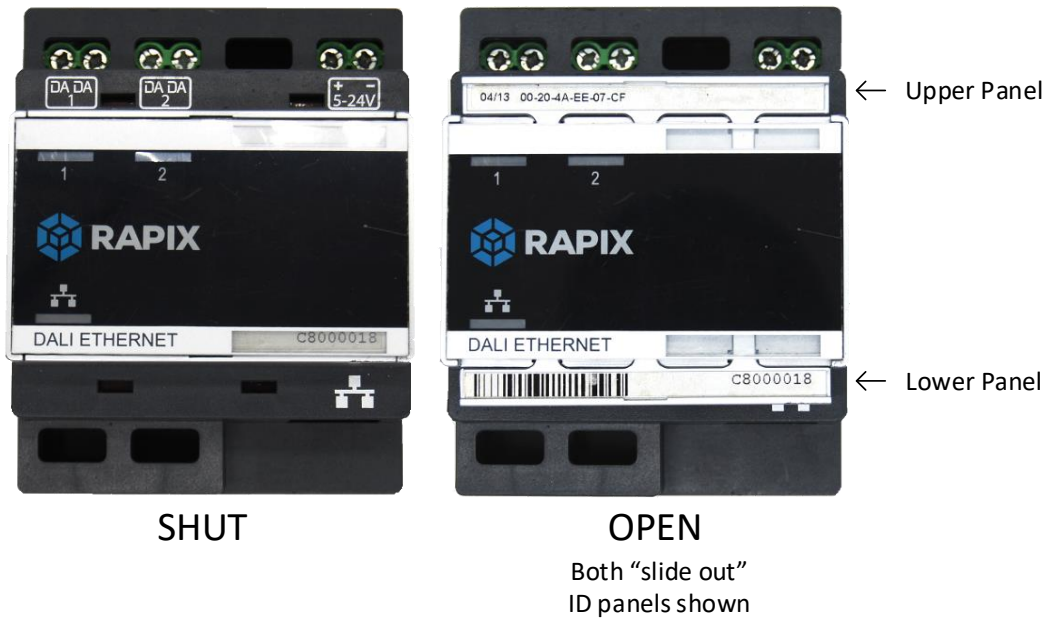
DALI line communication LED indicators for each line.

Ethernet communication LED indicator.

Complies with DALI standards IEC 62386-101 and IEC 62386-102.

**SYSTEM OR SOFTWARE DEVELOPERS:** A software development kit is available. This device can be custom-branded for your application.

**Typical Applications** Commercial buildings, Boardrooms, Hotels, Health care facilities, Education facilities, Homes.

**Connections**

**Identification Panels**


### Specifications

Parameter	Specification
Input Voltage	5 to 24 V dc
Input Power	1.2 VA (active) / 2.5 VA (start-up)
DALI line capacity	2 DALI Lines
DALI Line Operating Voltage	18 V dc (nominal) on each line supplied by external DALI power supply
DALI Line Current Draw	4 mA per line
Frequency	50 / 60 Hz
Isolation	≥ 3.75 kV ac Ethernet RJ45 to DALI line terminals
	≥ 1.5 kV ac Ethernet RJ45 to SELV (5 – 24 V dc) terminals
Start-up Time	30 sec
Ethernet	10 / 100 / 1000 Mbps / sec twisted pair network types
	Supports SNMP monitoring for managed networks
Ethernet connection	RJ45 8 pin plug (T568A termination)
DALI Line Terminals	Screwed – 3 x 1.5 mm <sup>2</sup> solid / stranded or 2 x 2.5mm <sup>2</sup> solid / stranded
dc Supply Terminals	Screwed – 2 x 1.5 mm <sup>2</sup> solid / stranded
Ambient operating temperature	0 to 50° C
Ambient storage temperature	-10 to 70° C
Humidity	0% to 95% RH non-condensing
Ingress protection	IP20
Materials	Enclosure / Fascia – Flame retardant polycarbonate, UL 94V-0
	DIN rail clip – ABS or Acetal
Weight	160 g

### Standards & Compliance

#### EMC and Electrical Safety Frameworks and Standards

Regulation	Standard	Title
EMC	AS/NZS CISPR 22:2009	Information Technology Equipment – Radio disturbance Characteristics – Limits and Methods of Measurement
	AS/NZS CISPR 22-A:2010	
Electrical Safety	AS/NZS 60950-1:2011	Information Technology Equipment - Safety

#### EC Council Directives

EC Council Directive	Title
2006/95/EC	Low Voltage
2004/108/EC	Electromagnetic Compatibility (EMC)
2011/65/EU	Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

#### Other International Directives and Standards

Regulation	Standard	Title
Digital Addressable Lighting Interface (DALI)	IEC 62386-101	Digital Addressable Lighting Interface – Part 101: General Requirements – System
	IEC 62386-102	Digital Addressable Lighting Interface – Part 102: General Requirements – Control Gear



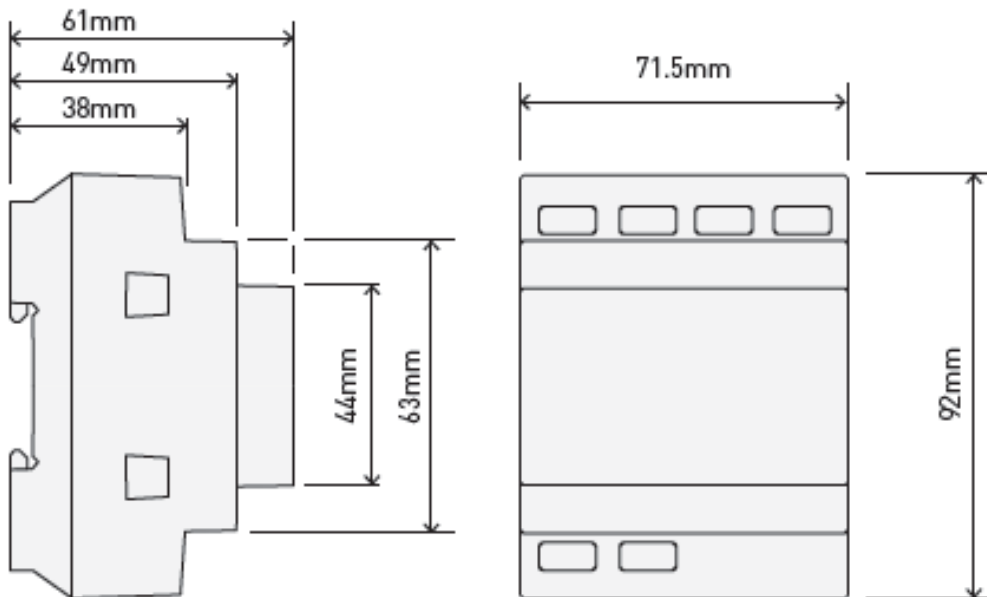
IP20

CE



RoHS  
COMPLIANT



**Dimensions****Contact Information**

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

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13-10-047-001-02 November 2019