



LUXLINK[®] Ethernet2dali Connectivity Module

Part Number – Link/E2daliCM/HW

Luxlink’s Hard Wired Ethernet2dali Connectivity Module (ECM) is a unique, Riser or ceiling mounted product that provides DALI communications and Ethernet routing capability for 2-seamlessly connected DALI sub-networks. The ECM/HW provides 250mA DALI power for each of 2 DALI networks. This product replaces at least 8-conventional LCM’s saving install time and cost and is ideal for suspended lighting type applications . ECM’s are connected to each other using standard Cat 5e cabling for building wide solutions, Area Controllers are not required

Housed within the ECM/HW, an Ethernet to DALI Interface provides DALI power for 2-DALI sub-networks of 64 devices to a maximum of 250mA of DALI load for each network. Din Rail mounted connectors then allow typically 32-40 standard and emergency luminaires and controls to be connected to each network through hard wiring.

Product Features and Connectivity:

- Single 3A feed powers the products internal Ethernet2dali Interface and Ethernet Switch
- Connects and powers DALI communications for Ballasts, Inverters and Controls across 2-DALI sub-networks
- 2 - Built-in 250mA DALI Power Supply Units
- Connects up to 64 DALI standard and emergency luminaires



- and controls (250mA max DALI load) for each of 2 DALI networks
- Built-in 5-port Ethernet Switch and Power Supply
- 256 groups per ECM from a maximum 16,384 groups
- 128 Scenes per DALI load
- Internal Astronomic and Real Time Clock
- Fixed IP addressing
- Self-Healing DALI networks enables auto replacement of ballasts and controls
- Automatic detection of straight (MDI) or Xover (MDI-X) cabling (100m max. length Switch to Switch)
- OPC Driver for connecting the BMS and other building services for monitoring & control
- Graphical Head end via Luxlink’s Ethernet2dali Pro Graphical User Interface software package

Application:

Infinitely flexible lighting management and addressable emergency test systems requiring a graphical head end capability and BMS compatible

Family Products (Network based):

- | | |
|--------------|-----------------------------------|
| Link/DaliMS | Luxlink DALI Multi-Sensor |
| Link/DaliSS | Luxlink DALI Switching-Sensor |
| Link/DaliIRC | Luxlink DALI IR Controller |
| Link/DaliMIU | Luxlink DALI Mini Input Unit |
| Link/DaliSP | Luxlink DALI Scene Panel, 4-Scene |

Data subject to change without notice, E & OE, Revision B – 09/06/2016

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Luxonic is constantly developing and improving its products. The right is reserved to change specifications without prior notification or public announcement.



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Technical Data

Connection

Ethernet 4-ports for RJ45 10/100Mbit, cat 5e up to 100m
(auto MDI/MDI-X crossover)

Power

Mains Supply: 220-265 VAC, 45-65Hz same phase, quad feed, 3A max.
DALI Supply Output x 2: 22VDC (nominal) 250mA from feed 1
DALI Consumption: 2mA per DALI network

Operating Conditions

Ambient Temp: 0...40°C
Relative Humidity: 90% Max. non-condensing

Mechanical Data

Housing: Zintec steel enclosure to RAL 9010
Weight: 4.5kg
Size: 540mm (L) x 304mm (W) x 78mm (H)

Conformity

EMC: Designed for:- Emission EN55081-1, Immunity EN61547
Safety: Designed for:- EN60950
IP Rating: IP20
Isolation: 4kV

LED Status

Power: Normal - Flashes to Off every 4-seconds
DALI 1 & 2: Normal - Off
Comms Active - Flashes
Ethernet: Connection - On
Comms Active – Flashes
No Connection - Off