



Luxlink® Ethernet2dali Interface

Part Number – Link/E2daliIF

The Luxlink Ethernet2dali Interface (EDI) provides DALI power and Ethernet routing capabilities for two seamlessly joined DALI sub-networks of up to 64 DALI standard and emergency luminaires and DALI controls up to a maximum load of 250mA DALI load for each network. Ideal for Chilled Beam and suspended lighting applications, this device is mounted into custom manufactured Lighting Control Panels and is connected to other EDI's using standard Ethernet Switches

Product Features and Connectivity:

- Provides DALI power for luminaires and controls on 2 DALI sub-networks
- Incorporates 2 x 250mA DALI Power Supply Units (1 per DALI network)
- Connects up to 64 DALI standard and emergency luminaires and controls (250mA)
- 256 groups per EDI from a maximum 16,384 groups
- 128 Scenes per DALI load
- Internal Astronomic and Real Time Clock
- Self Healing DALI networks enables auto replacement of DALI ballasts and controls
- Fixed IP addressing
- 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:

Ideal for chilled beam and suspended luminaire applications, this product is designed for infinitely flexible lighting management and addressable emergency test systems requiring a graphical head end capability and BMS compatibility

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

Family Products (Distribution cupboard based):

Link/DaliRM	Luxlink DALI 4-Output Relay Module, Din Rail Mounted
Link/DaliDSI/1-10	Luxlink DALI to DSI /1-10V Converter, Din Rail Mounted
Link/E2daliIU	Luxlink Ethernet2dali Input Unit, Din Rail Mounted
Link/DaliBC	Luxlink DALI Blind Controller, Din Rail Mounted
Link/DaliSolaC	Luxlink DALI Solatube Controller, Din Rail Mounted

Data subject to change without notice, E & OE, Revision F – 08/06/2016



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Technical Data

Connection

Mains: Solid core cable up to 4mm², stranded cable up to 2.5mm²
DALI: Mains rated cable 0.5mm² to 1.5mm², terminals will accept 2 x 1.5mm²
Ethernet: 1 - RJ45 10/100Mbit, cat 5e up to 100m
(auto MDI/MDI-X crossover)

Power

Mains Supply: 85-264 VAC, 45-65Hz same phase, quad feed, 16A max. per feed
DALI Supply Output x 2: 22VDC (nominal) 250mA
DALI Consumption: 2mA per DALI network

Operating Conditions

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

Mechanical Data

Housing: Satin white plastic
Weight: 265g
Size: 158mm (L) x 100mm (W) x 58mm (H)

Conformity

EMC: Designed for:- Emission EN55081-1, Immunity EN61547
Safety: Designed for:- EN60950
IP Rating: IP30 (when installed in cabinet)
Isolation: 4kV

Mounting

Din Rail

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