PL931-D2M

Application Controller

The Prolojik PL931-D2M encapsulates the networking benefits of Prolojik's lighting solutions and the control and monitoring benefits of DALI 2.

The Prolojik PL931-D2M extends DALI 2 functionality to a new level, providing unparalleled device and control density, with integrated PSU in each device.

The controllers can be configured for control of up to 64 DALI drivers, DALI emergency inverters, in addition to 64 DALI sensors, DALI scene setting plates or DALI switch interfaces.

Key Features

- 1 DALI Master & up to 9 Slave devices
- Provides benefits of DALI 2 control & monitoring
- DALI bus short circuit protection
- LED status indication of power, network, DALI comms.
- Override on, off, dim, functional emergency test buttons
- BLE commissioning enabled

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Specification

Features
222 mA drive per DALI bus
1x64 DALI addresses
1x64 DALI sensor addresses
Fully networked solution
Fail-safe mode to occupied state
LED indication for power, network, DALI
Override on, off, dim button

Networking
LonWorks™ network TP/FT-10 (Capacitor Decoupled)

Connections
DALI Bus Output
LonWorks™ Interface
Termination jumper.
Bluetooth LE Boost Antenna

Dimensions
54mm x 90mm x 58mm (L x W x H)

Override Button
Toggle function: On, Off, Dim, Functional Em Test
Service commissioning button

Safety
EN62368

Conformity & Standards
Generic emission: EN61000-6-1
Generic immunity: EN61000-6-3
RFI: EN 55 014
LonMark™ compliant
DALI 2 certified
ARCOM MasterSpec 2013 Classification 29 09 33

Environment
Storage
Temperature: -10°C - +60°C
Humidity: 0% - 90% non-condensing

In Use
Temperature: 0°C - +40°C
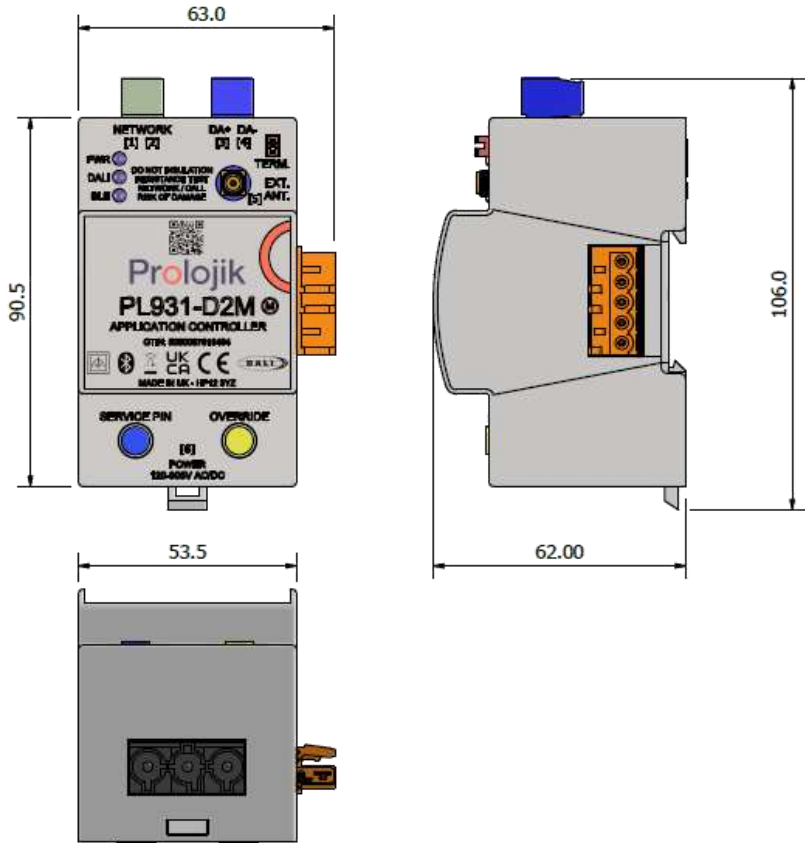Humidity: 10% - 90% non-condensing

Power Input
120-305V AC/DC via GST18i 3 way plug ([M] only / [S] is
powered by previous PL931-D2M

Output
DALI bus output (for 64 DALI addresses each)
Output isolation: 4kV
Connection: Rising clamp screw terminal – cable diameters to
2.0mm²

Technical Data

DALI 2 — Digital Illumination Interface Alliance (dali-alliance.org)

DALI Product ID	10147
Product Name	PL931-D2M Bus Power Supply/Application Controller
Brand Name	Prolojik
Status	Certified: DALI-2
Product Part Number	PL931-D2M
GTIN	5060067818494

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Product Options:

PL931-D2M (M)

- Master Unit
- Direct Network Connection
- 1 Channel DALI – 128 DALI devices
- Mains Power connection via GST18i 3 way plug (L,E,N)

  (connector supplied with master)

PL931-D2M (S)

- Slave Unit
- Connect to a Master Unit [M] or a Slave Unit [S] which is already connected to a Master
- 1 Channel DALI – 128 DALI devices
- Mains Power connection is via PL931-D2M (M)
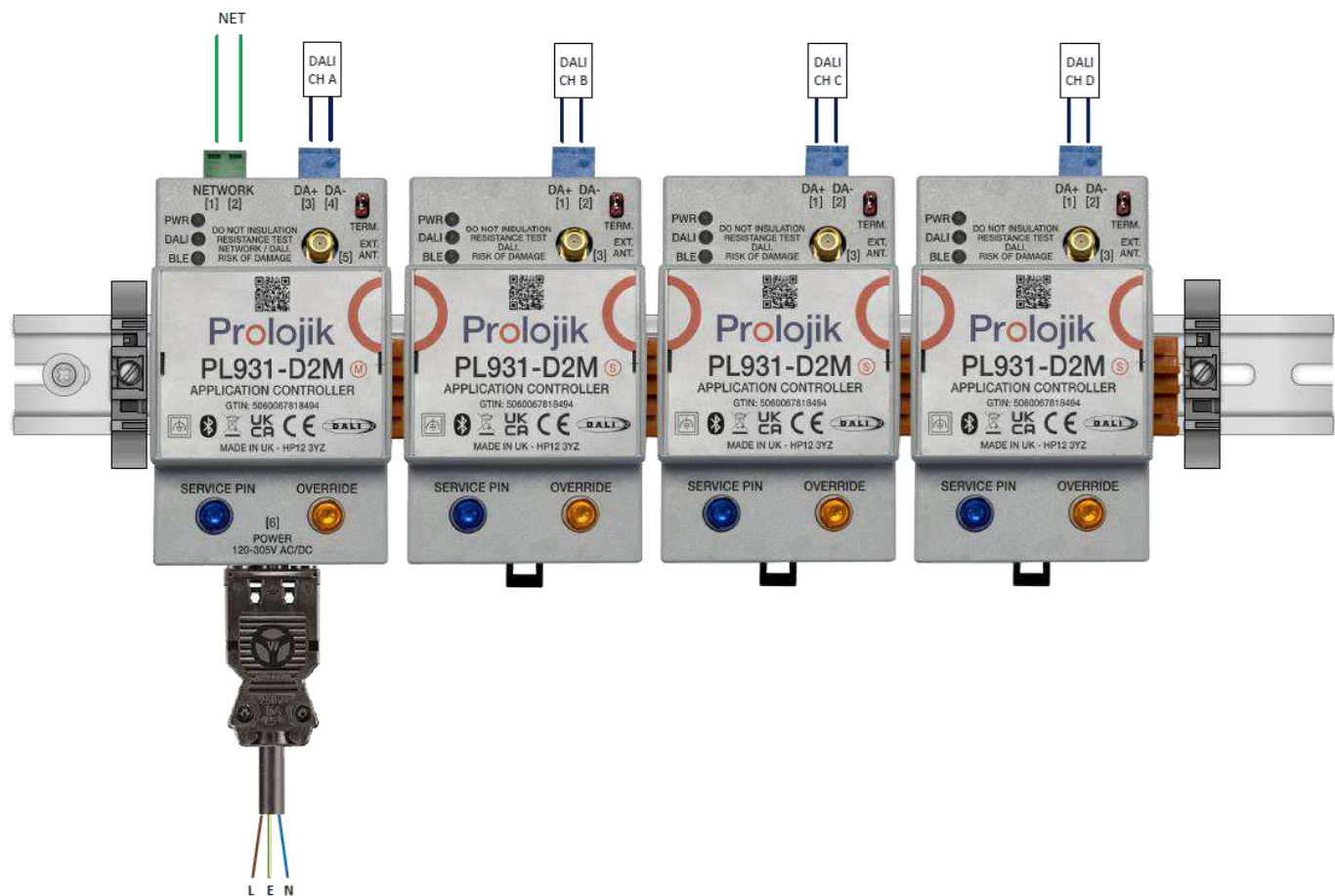- Network connection is via PL931-D2M (M)

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Wiring Diagram:

- 1 Master and a maximum of 9 slave units

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