

PL931-D2M

Prolojik

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 Main & up to 9 Secondary 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 MainSpec 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

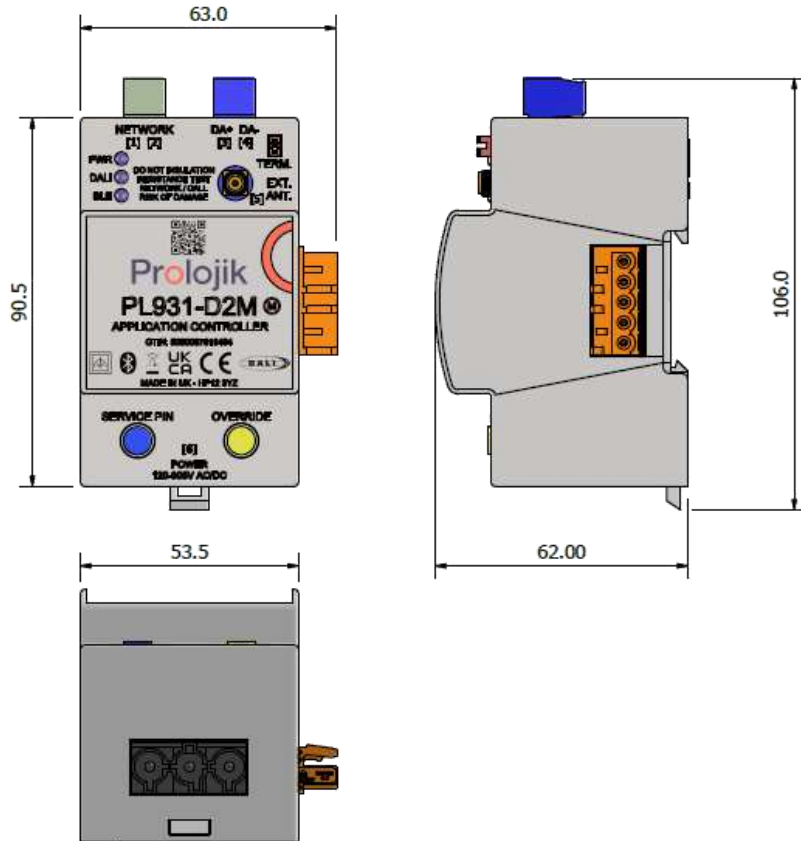
Power Input

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



[Digital Illumination Interface Alliance \(dali-alliance.org\)](http://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)

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

PL931-D2M (S)

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

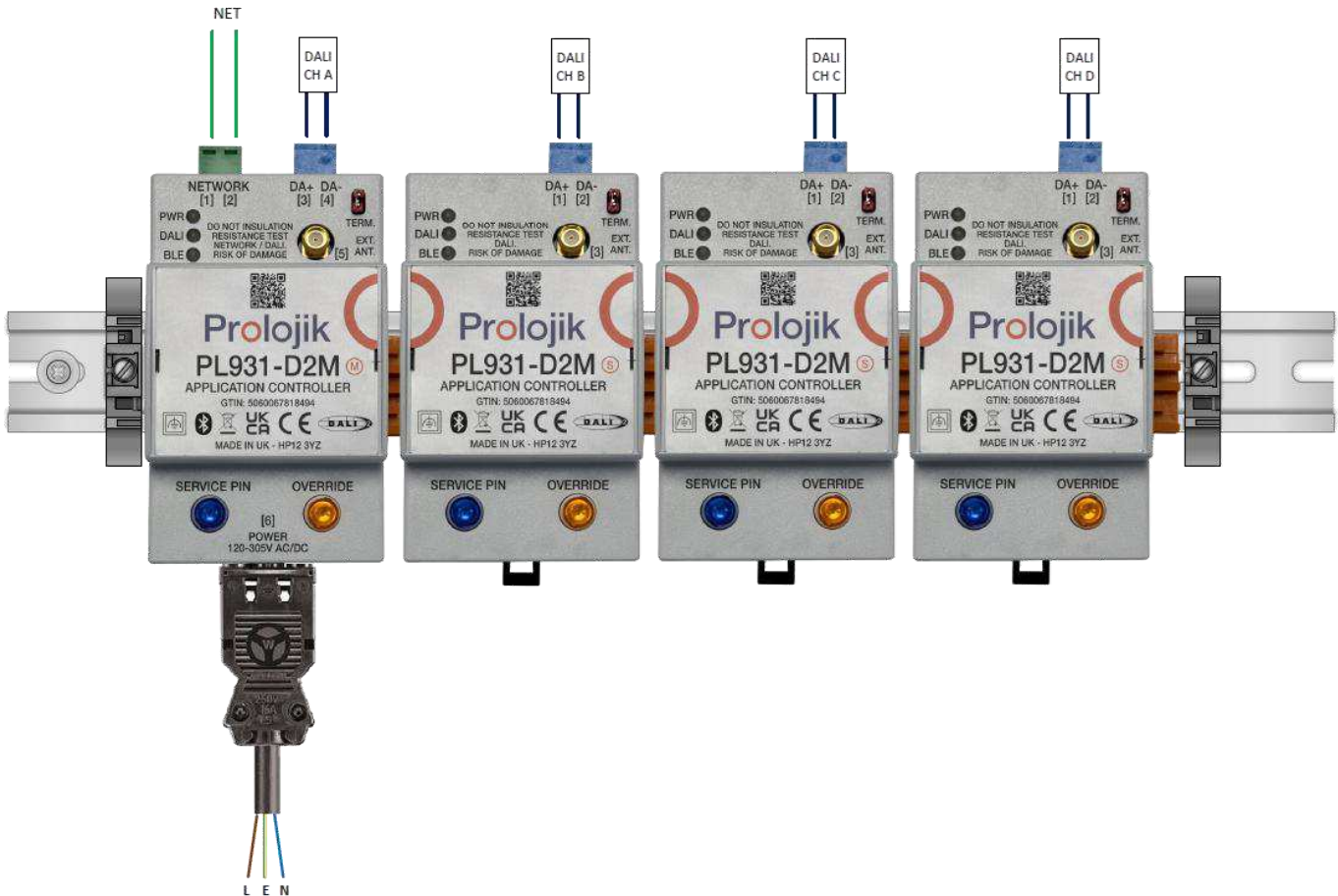


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Wiring Diagram:



- 1 Main and a maximum of 9 Secondary units

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