

# Prolojik

# Plexus+

Built on standards,  
engineered by expertise.



# Introduction to Prolojik

Prolojik is an innovative business that delivers innovative lighting control solutions, enabling specifiers, integrators and end users of lighting controls to harness our extensive network. We have a portfolio of thousands of projects across sectors.

All Prolojik systems use open protocol technology giving clients flexibility, agility and customisable solutions. Our systems can be fully integrated at all levels within the building systems architecture.

We provide a holistic approach, managing the entire life cycle of our solutions from design, to beyond life cycle. We design and manufacture everything inhouse to deliver comprehensive support across products, delivery, solutions, and aftercare to meet our customers' needs.



## Our accreditations and technologies

We are proud members of the following groups and use the following technologies:



reddot design award



# What is DALI?

DALI (Digital Addressable Lighting Interface) is the Global Standard for Intelligent Lighting Control, ensuring interoperability and compliance across manufacturers and systems. It delivers robust, reliable communication and smart features.



- Self-declaration compliance
- Manufacture specific control devices support (mostly drivers)
- Limited Interoperability



- Improved interoperability via certification and testing
- Extended control devices (sensors, switches & application controllers)
- Backwards compatible with DALI-1 control gear
- Tested, certified and compliant
- 64 input devices and 64 output devices on single DALI bus

## Evolving to DALI-2

The evolution from DALI to DALI-2 introduces enhanced functionality, greater flexibility, and improved compatibility, setting a new benchmark in smart lighting perance.

### Prolojik's Deployment of DALI-2

Our fully certified and tested Prolojik product range delivers scalability and streamlined system design. Our solutions enable fast installation that provides simple system design and compatibility between DALI-2 products assured by DiiA certification.



# The Benefits of DALI-2



Certified &  
Tested



Simplified  
Commissioning



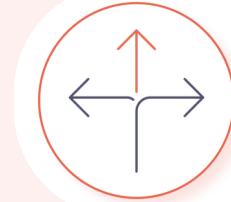
Expanded  
Functionality



Improved  
Interoperability



Enhanced Data &  
Diagnostics



Greater  
Flexibility

All DALI-2 certified products are independently certified by the DiiA and go through rigorous testing to comply with certification standards.

This guarantees improved reliability, compatibility and interoperability. DALI-2 products work seamlessly across the full product range, with DiiA certification providing assurance of compatibility.

DALI-2 enables straightforward wiring, streamlined installation, and simplified commissioning and allows rich data and diagnostics across your lighting network.

This enables powerful system integration and seamless data sharing with building control plants, supporting smarter management and improved performance of your connected environment.

DALI supported only 64 devices per bus, limiting network scale. DALI-2 doubles this capability, enabling 64 input devices and 64 output devices on a single bus.

DALI-2 offers greater system flexibility, operating across IP or traditional twisted-pair backbones. This expanded capacity reduces infrastructure demands while creating a platform ready for future technologies and expanding needs.

# Prolojik's Deployment

The Prolojik PL931-D2M Application Controller delivers simplified, efficient commissioning through a new DALI-2 form-factor, hardware and software. Prolojik has been deploying DALI-2 solutions for years, bringing a fully DiiA-certified product suite and advanced form-factor.

The PL931-D2M Application Controller enables rapid installation with full DALI-2 certification, simple wiring, and interlocking modular components. Resulting in smarter deployment, greater flexibility, and effortless scalability across your lighting control network.

Discover our full  
Plexus+ product suit:  
Scene Plates, Sensors  
& Application  
Controller.



# Easy Panel Build

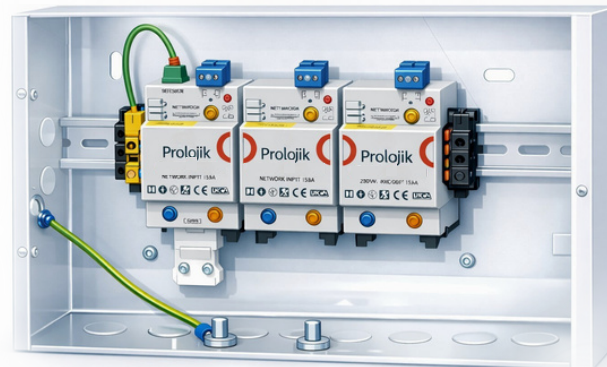
Choose between Prolojik pre-built panels, or choose only the modules and configure your own panel. Easily build your own panel using our slot-together modules, designed for straightforward assembly and simple wiring, where you can configure install cables directly into your custom-built panel. Alternatively, choose our Prolojik pre-built panels, where modules are fully installed in prebuilt enclosures, providing a ready-to-use, deployment-ready solution.

## 1 Third-Party Panel Build



Choose only the modules to install into your own panel. Build with slot-together modules, for fast installation & simple wiring.

## 2 Prolojik Pre-Built Panel



Or, we can supply a pre-built panel, with our modules fully integrated into prebuilt enclosures.

For more information on panel configuration, scan the QR code or call +44 (0)1494 515 100



# Prolojik Scene Setting Plate

PC634-D2M



## 4-Button Scene Plate

The Prolojik PC634-D2M is a DALI-2, 4-button architectural scene setting plate. All buttons are back lit with LED's and come in multiple finishes.

The scene plate offers scene plate operation, recalling a programmed scene, to recall any of the 4 programmed scenes, simply press the equivalent button, e.g., to select scene 1 press button 1, to select scene 2 press button 2, etc. Master scene raise and lower, it is possible to manually increase and decrease the level of a scene by pressing the raise and lower button. This does not affect the stored values of the scenes. Switching the system off, to turn your lighting off, simply press power button.

## Key Features

- 4 scenes and off
- Scene raise and lower
- Scene programming
- Direct connection to PL range of controllers and PC series hubs
- Comes in multiple finishes



# Prolojik Scene Setting Plate

PC638-D2M



## 8-Button Scene Plate

The Prolojik PC638-D2M is a DALI-2, 8-button architectural scene setting plate. All buttons are back lit with blue LED's and come in multiple finishes.

The scene plate offers scene plate operation, recalling a programmed scene, to recall any of the 8 programmed scenes, simply press the equivalent button, e.g. to select scene 1 press button 1, to select scene 2 press button 2, etc. Master scene raise and lower, it is possible to manually increase and decrease the level of a scene by pressing the raise and lower button. This does not affect the stored values of the scenes. Switching the system off, to turn your lighting off, simply press power button.

### Key Features

- 8 scenes and off
- Scene raise and lower
- Scene programming
- Direct connection to PL range of controllers and PC series hubs
- Comes in multiple finishes



# Prolojik Multi-Function Sensor

PS432-D2M



## Multi-Sensor

The Prolojik PS432-D2M series 'DALI-2 Certified' addressable multi-function sensor delivers high accuracy measurement in a discreet form-factor.

Prolojik PS432-D2M sensor has been designed to complement the Prolojik range of lighting control modules and DALI controllers and are available in a range of lens types and finishes. All sensors only occupy a single DALI address.

## Key Features

- Passive infra-red sensor
- Light level sensor
- Temperature sensor
- Active infra-red receiver
- Other RAL colours available upon request

## Tailor sensor colours to your needs:



RAL9003 RAL7042 RAL1014 RAL5013 RAL9005



# Prolojik Multi-Function Sensor

PS532OEM-D2M



## Multi-Sensor

The Prolojik PS532OEM-D2M luminaire mounted 'DALI-2 Certified' addressable multi-function sensor delivers high accuracy measurement in a discreet form-factor.

The Prolojik PS532OEM-D2M sensor has been designed to complement the Prolojik range of lighting control modules and DALI controllers. The sensors have been designed for minimum installed depth making them suitable for recessed mounting into a large variety of luminaire configurations.

## Key Features

- Luminaire mounted DALI-2 multi-sensor
- Occupancy sensor
- Light level sensor
- Active infra-red receiver
- Other RAL colours available upon request

## Tailor sensor colours to your needs:



RAL9003 RAL7042 RAL1014 RAL5013 RAL9005



# Prolojik Switch Interface

PC734-D2M



## Switch Interface

The Prolojik PC734-D2M is a compact DALI-2 addressable interface for the connection of light switches. Either retractive or latching switches may be used.

Designed for easy installation, the Prolojik PC734-D2M switch interface has been developed to complement Prolojik addressable lighting control modules and hubs. The interface has been designed for minimum installed depth, making it ideal for installation into a switch backbox.

## Key Features

- Connection of 2 centre-biased two way and off retractive switch or 4 latching switches
- Remote addressing
- Fits 35mm deep switch backbox
- Push fit terminals for quick connection



# Prolojik Application Controller

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 and up to 9 Slave devices
- Provides benefits of DALI-2 control and 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



# Plexus+

1 | Prolojik Scene Plate  
PC634-D2M

2 | Prolojik Scene Plate  
PC638-D2M

3 | Prolojik Application Controller  
PL931-D2M



4 | Prolojik Switch Interface  
PC734-D2M

5 | Prolojik Multi-Sensor  
PS432-D2M

6 | Prolojik Multi-Sensor  
PS532OEM-D2M

# Prolojik

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