COOLON

DALI LOGIC NEO

Outdoor DALI to 1 Channel PWM Brightness Controller

Coolon DALI Logic NEO is the world's most reliable DALI PWM outdoor controller for architectural applications. Designed to complement Coolon architectural LED fixtures range for maximum performance in a robust and easy to mount enclosure.

Use DALI Logic NEO to interface between a remote standard DALI source and LED lights fitted with Coolon brightness control input. The luminaires, external power supply and data connectors have carefully been designed for quick and easy installation process, removing the guesswork and chances of issues during installation and after project completion.

DURABLE

DALI Logic NEO driver is designed to suit outdoor DALI controlled LED installations. Robust housing design, suitable for inclement weather.

RELIABLE

Coolon LED drivers are designed and built to the highest standards. Coolon offers high performance, reliability and efficiency supported by our 5-year warranty.

SIMPLE

Quick connectors for both DMX/RDM data and output to luminaires reduce installation time and potential points of failure.

Installation is efficient with fewer hard-wired terminations and is convenient even in tricky locations due to the quick connectors that require no tools.

CONVENIENT

It will turn suitable LED luminaires into a remote dimmable fitting via DALI control. Highly capable, DALI Logic NEO will dim luminaries with fitted PWM control input from 1 – 100% range.

TECHNICAL SPECIFICATIONS

Product Code	CTR-DALILOGIC NEO
Description	NEO Outdoor DALI to 1 Channel PWM Brightness Controller
Device Type	Standard DALI input (addressable), push-pull PWM control output (suitable for LED products with inbuilt brightness control line)
Control Protocol	DALI Standard Compliant
Solid State Output	PWM signal, Push-pull (100mA Max)
PWM Frequency	75 Hz
Dimming Range	1 – 100%
Load / Supply Voltage	24 – 48VDC
Power Consumption	0.25W (no load)
Enclosure	Polycarbonate with polyurethane encapsulation
Working Temperature	-10 to +40°C
IP Rating	IP65

APPLICATIONS

DALI Logic IP remotely controls a wide variety of LED luminaires. Most popular applications are:

Architectural Outdoor Lighting	Commercial Outdoor Lighting	Façades
Street and Outdoor Lighting	Tough Environments	

FEATURES

IP65

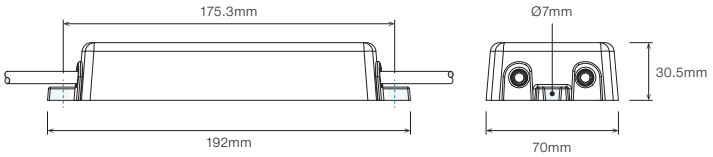
Fully protected against dust. Protected against water jets from all directions.

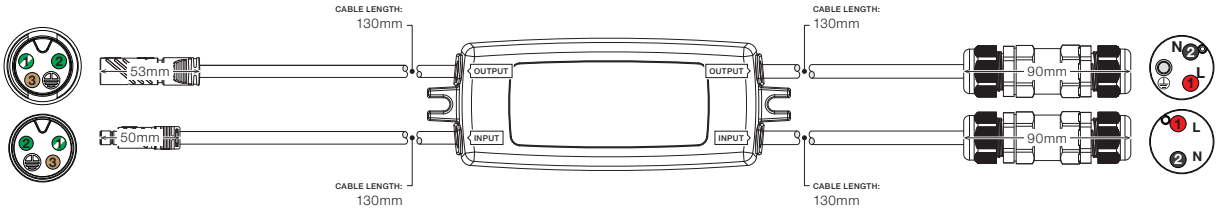
5 YEARS

Coolon Controllers are covered by a solid comprehensible 5 year manufacturer's warranty.

Our products are designed and manufactured in Australia to ensure the highest standards.

DIMENSIONS





OC3MF • Connector 3 pin Male + Female

1 D + 2 D – 3 NC (No Connection)

Output

OJ3 • Outdoor Joiner 3 Pin

1 +24 – 48V 2 0V

PWM Signal (BR)

Input

OJ2 • Outdoor Joiner 2 Pin

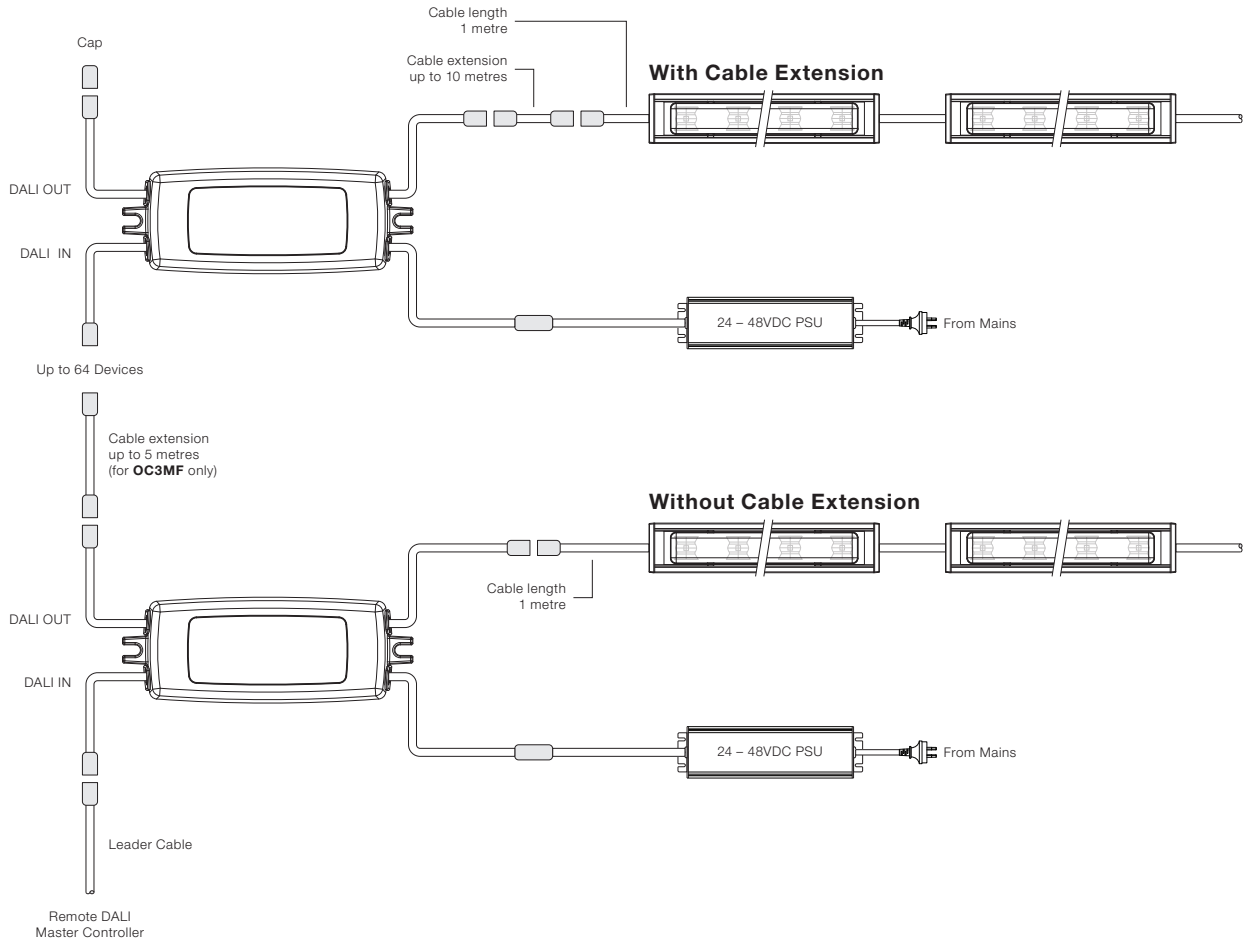
1 +24 – 48V 2 0V

COMPATIBILITY

DALI Logic NEO can be used to add DALI control to the following Coolon LED luminaires, yet is also suitable for most constant voltage LED products.

Aduro	Aduro X2	Aris
Beam	Electro	Max Mini
Maxis	Primo	Primo CC
Primo X2	Ratio	

WIRING DIAGRAM



ORDERING EXAMPLE

CTR - DALILOGIC NEO - OC3MF - OJ3 - IP65

- TYPE
- DATA WIRING
- OUTPUT WIRING

DATA WIRING CONFIGURATION	
OC3MF	Connector 3 pin Male + Female

OUTPUT WIRING CONFIGURATION	
OJ3	Outdoor Joiner 3 Pin

ACCESSORIES

CABLE EXTENSION

CBLEXT-PRJ-WR3-IP65-3M	3m Length, 3 Core Cable Extension with Outdoor Joiner, IP68 when mated
CBLEXT-PRJ-WR3-IP65-5M	5m Length, 3 Core Cable Extension with Outdoor Joiner, IP68 when mated
CBLEXT-PRJ-WR3-IP65-10M	10m Length, 3 Core Cable Extension with Outdoor Joiner, IP68 when mated
CBLEXT-DATA-OC3MF-IP68-5M	5m Length, 3 Core Cable Male to Female Extension with HS-Lock Quick Connectors and Twisted Pair for DATA Lines, IP68 when mated
CBLEXT-DATA-OC3FO-IP68-0.25M	0.25m Length, 3 Core Cable Female Only Leader with HS-Lock Quick Connectors and Twisted Pair for DATA Lines, IP68 when mated