

Datasheet NEMA Connection Box

Flexible Integration for Smart Lighting

The NEMA Connection Box is designed for easy installation on poles or walls, providing a versatile solution for smart lighting applications. Available with either a single NEMA or an optional Zhaga socket, it offers the flexibility to suit various project requirements. Its robust, weather-resistant housing ensures reliable performance in demanding outdoor environments, while multiple mounting options enable seamless integration into a variety of installation scenarios.



- 
External NEMA Receptacle
 Enables the simple integration of NEMA-compatible controllers with existing luminaires by providing an external NEMA receptacle.
- 
Plug-and-Play Installation
 Enables quick and easy connection of NEMA-compatible controllers through a plug-and-play receptacle.
- 
Flexible Mounting
 The housing supports a range of mounting configurations, enabling straightforward installation on poles, walls and other surfaces.
- 
Robust Design
 The weather-resistant housing ensures reliable performance and long-term durability, even in demanding outdoor environments.
- 
Integrated DALI PSU
 The integrated DALI power supply unit powers the DALI bus directly, eliminating the need for an additional external power supply.
- 
Optional DALI Relay
 Expands application flexibility by enabling additional switching functions for external loads, including conventional luminaires.
- 
Optional external Zhaga Receptacle
 Additionally, an optional Zhaga interface enables the connection of compatible sensors for enhanced functionality.

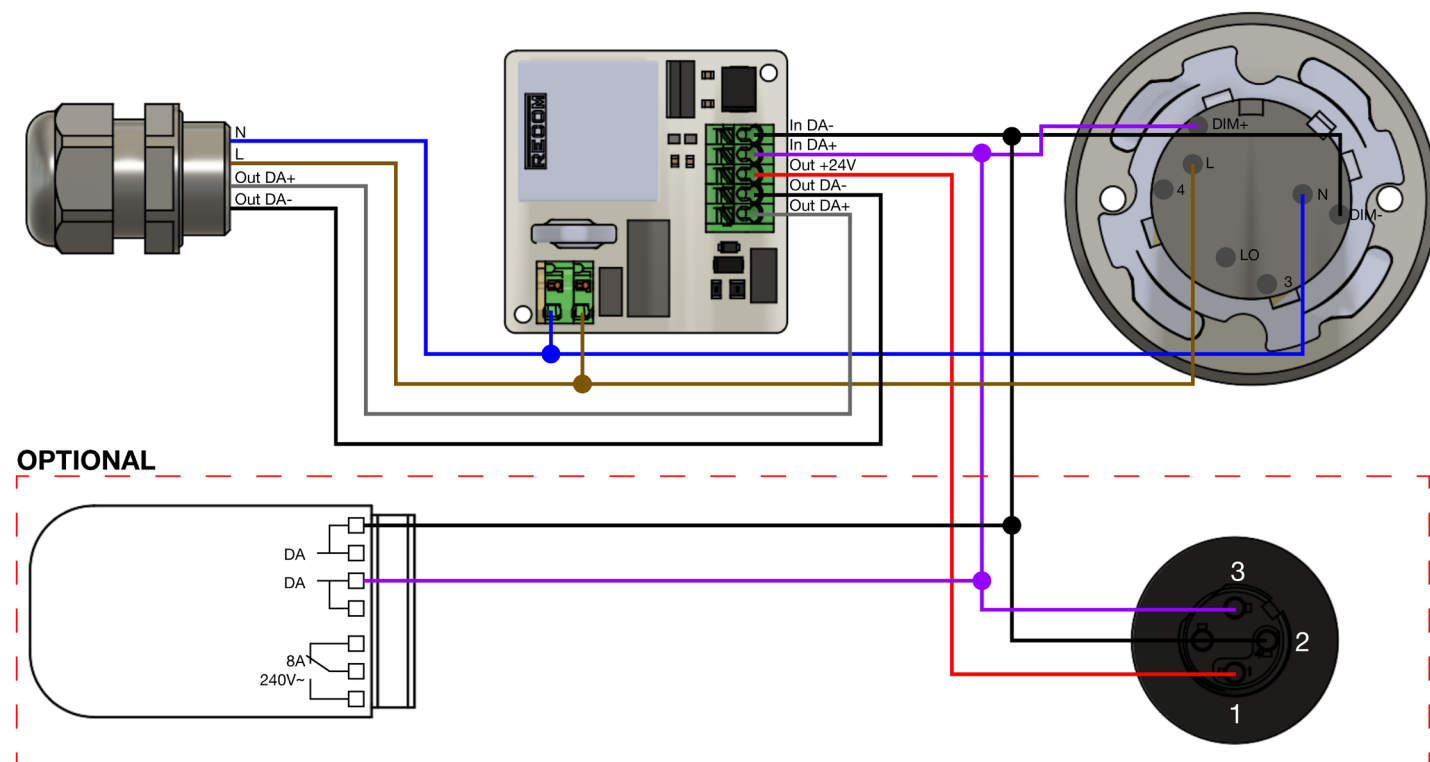
Operating Parameters

Supply Voltage Range	100 - 277 V AC
Current Input (24 V DC)	< 0.5 mA
Average Power Usage (24 V DC)	110 mW
DALI Input Current	max: 240 mA
Protection Class	TBD
Impact Protection	TBD
Fire Class	UL 94 HB V-2

Maximum Ratings

Supply Voltage	305 V AC
Current Input	150 mA
Storage Temperature	-20...+85 °C
Surge Protection	6kV, 2Ω (10 pulses according to IEC 62368-1)

Wiring



N = 230V Neutral Conductor

L = 230V Phase

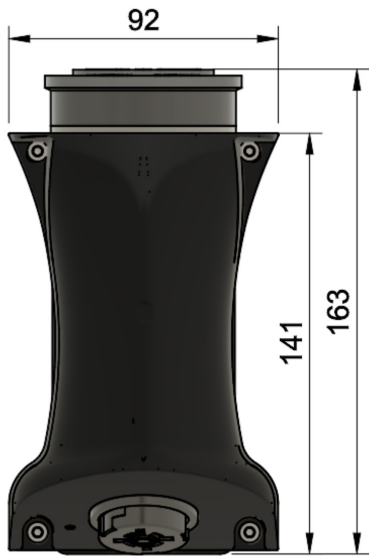
Out DA+ = DA+ LED Driver

Out DA- = DA- LED Driver

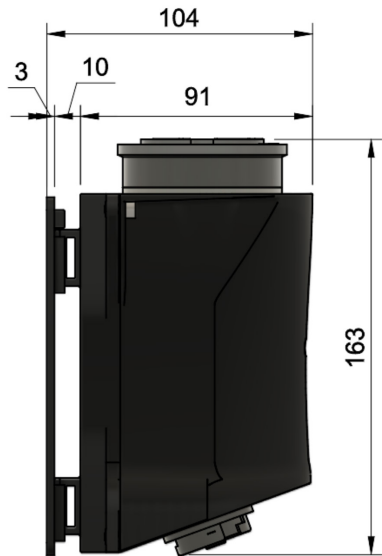
When two controllers are used, one DALI output is automatically disabled.

Dimensions NEMA Connection Box

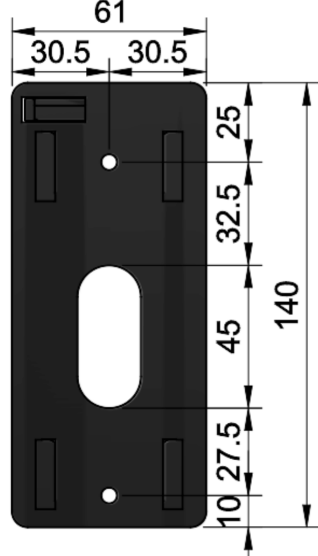
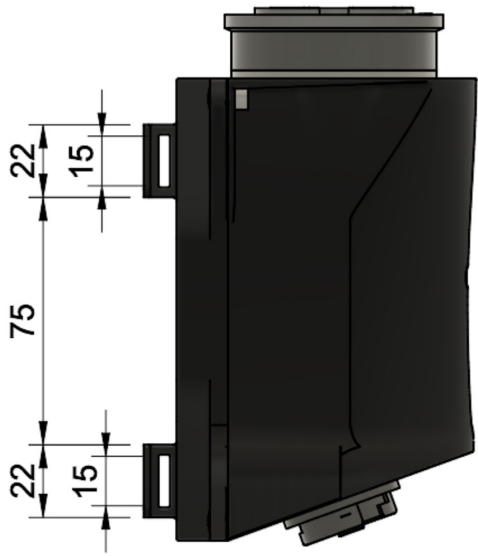
Length	104.00 mm
Width	88.00 mm
Height	152.00 mm
Weight	0.3 kg
Housing Material	Polycarbonate (PC)
Housing Color	Black
Cable Gland Material	Polyamide </td
Membrane	PTFE
Cable Diameter	4 - 7 mm



Pole Mounting



Wall Mounting



Variations

802963: NEMA Zhaga Connection Box



802964: NEMA Connection Box



All information has been carefully checked; however, errors and technical changes are reserved.