

Control Units

CL-CN1-xx

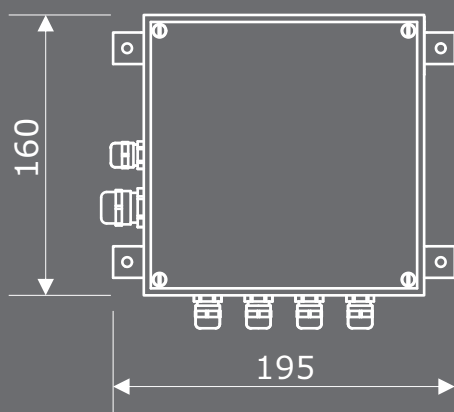
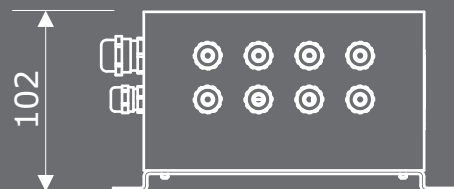
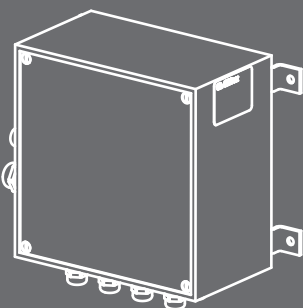
Features



The **Cave Lighting™** LED lamp Control Unit series **CL-CN1-xx** is specially designed to control the LED lamp network for lighting applications at show caves and other outdoor applications.

The Control Unit controls the brightness of each LED lamp connected to the unit in accordance with the commands from the external data source or with the stored light scene combinations. The Control Unit converts and supports PWM signal for each connected lamp. The **Cave Lighting™** digital communication protocol allows to communicate with the set of other controllers.

Specification



HOUSING

Waterproof solid rubber housing black color with stainless steel mounting brackets. Protected for weather and corrosion resistant.

IP rating up to IP67

LAMPS

Lamp control channels 8

POWER SUPPLY

Power supply DC 15V...35V

Current consumption per channel 1A max

Total current per control unit 6A max

CONTROLS

Brightness (PWM) control levels 256

Stored light scenes 4096

INTERFACE

Base interface RS485

Optional interface modules RF-modem 433 MHz
RF-receiver

Communication protocol Cave Lighting™
protocol;
DMX-512

CONNECTION

Cable glands metal PG7, PG11

Cable connection plug-in
terminal blocks
5.0 mm

OPERATING CONDITIONS

Temperature -25°C...+45°C

Humidity 100%

MECHANICAL

Dimensions, mm 195x160x102

Weight 1.3 kg

Fixing hole diameter..... 4x 5,5 mm

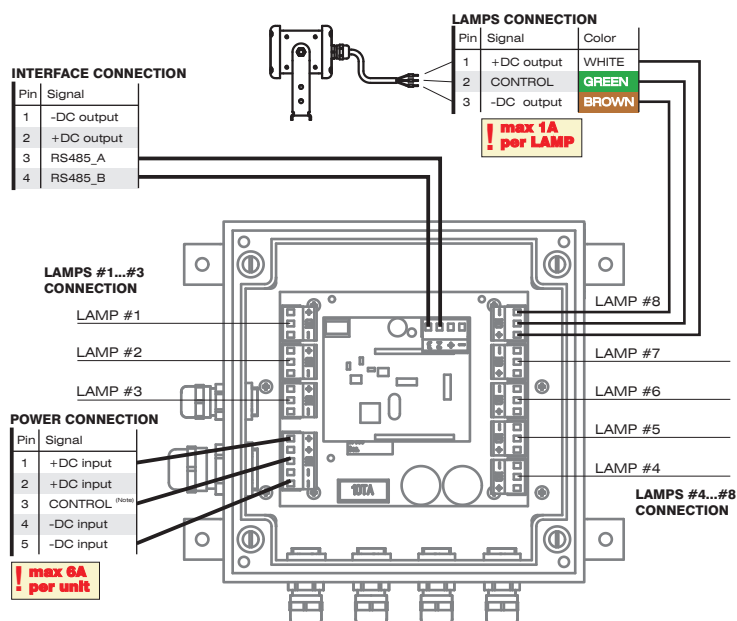
LED lamp controller series "CN"

Modifications / Order codes

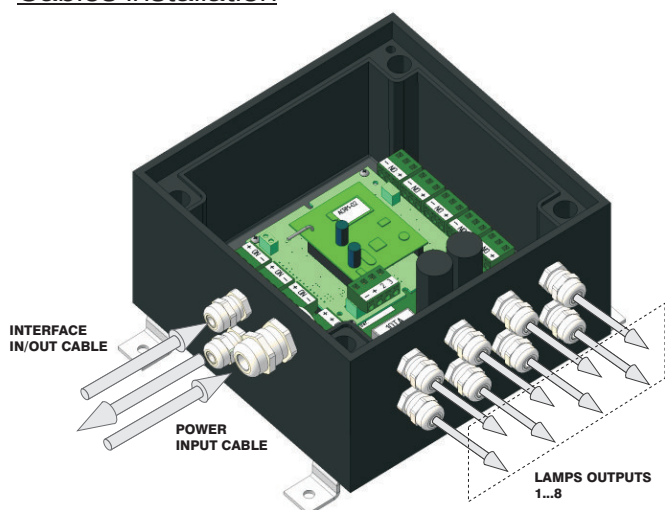
Order code	Description
CL-CN1-01	base modification
CL-CN1-02	ACRM-02 module installed (Note 1)

NOTE: Radioreceiver module ACRM-02 used for receiving signals from radio remote control

Electrical connection



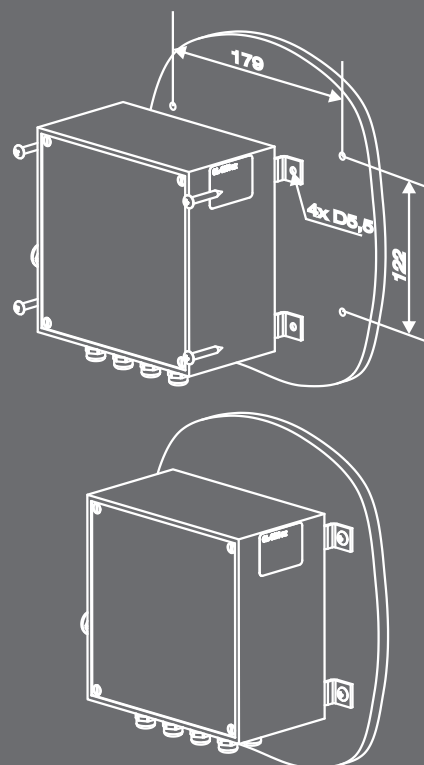
Cables installation



Cable	Cable-seal	Diameter
POWER	Pg11 / M20	6...12 mm
INTERFACE	Pg7 / M12	3...6.5 mm
LAMPS	Pg7 / M12	3...6.5 mm

NOTE: Other input/output cables seals configuration on request.

Mounting



Controlling and configuring software



Photo gallery

