IMPORTANT SAFETY PRECAUTIONS

READ CAREFULLY AND UNDERSTAND COMPLETELY BEFORE INSTALLING OR OPERATING THE CONTROLLER. Retain this instruction for future reference.

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, please read all warnings and instructions included with and on the box and all labels.

Installation of the controller should be performed by qualified personnel or a licensed electrician (highly recommended). Maintenance of the controller should be performed by person(s) familiar with the construction and operation, and any hazards involved. The controller is maintenance free. It may be cleaned with a soft dry cloth.

DO NOT install damaged product! The controller has been properly packed so that no parts should have been damaged during transit. Thoroughly inspect the controller for any freight damage; freight damage should be reported to the delivery carrier.

WARNING: RISK OF ELECTRIC SHOCK	WARNING: RISK OF FIRE
• All wiring connections should be capped with UL approved recognized wire connectors. • Make sure power supply is OFF before installing or maintaining the controller. **CAUTION: RISK OF PRODUCT DAMAGE** • DO NOT conceal or extend power cord through a wall, floor, ceiling, or other parts of the building structure. • DO NOT locate power cord above a suspended ceiling or dropper ceiling. • DO NOT route the power cord, which is subjected to strain and protected DO NOT exceed maximum ambient temperature or RH.	• DO NOT exceed maximum supply voltage marked on the label or in this product specifications. **CAUTION: WARRANTY** • HANDLE WITH CARE! Improper installing, operating and servicing might damage the product and void the warranty. • DO NOT open or disassemble the controller, it contains no serviceable parts. Opening the controller will void its warranty. • DO NOT use acids, solvents, abrasives or other aggressive substances to clean the controller as this may cause damage.

SPECIFICATION

Number of channels: 1
Signal Type: 0-10 V
Max number of fixtures controlled: 25
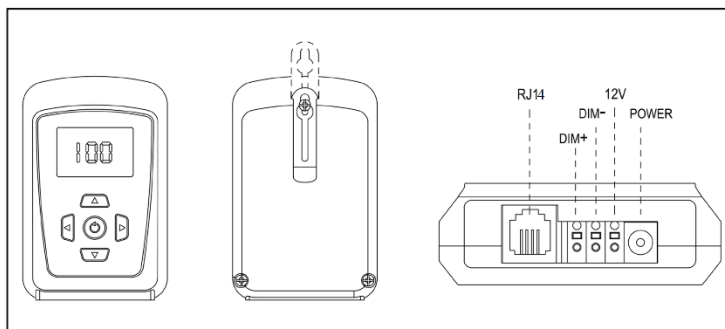10V Output control: 0-10V ± 0.1V
Adaptor AC input power: 120-240 V
Dimmer DC input power: 12V 1A
Operating temperature: 0-35°C / 32-95°F
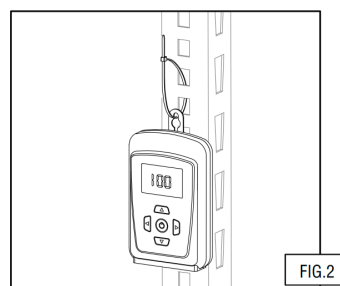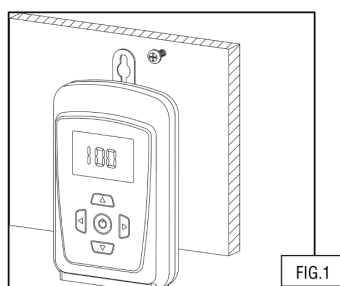Operating humidity: 80% max, non condensing
IP rating: IP20

MOUNTING

The controller can be surface mount (with screw and mounting hole) and cable tie mount.
On the backside of the controller, there is a mounting bracket. Slide it out and hang it onto a surface through a screw (FIG 1) or cable tie (not provided) (FIG 2).

FIG.1

FIG.2

CONNECTING AND WIRING
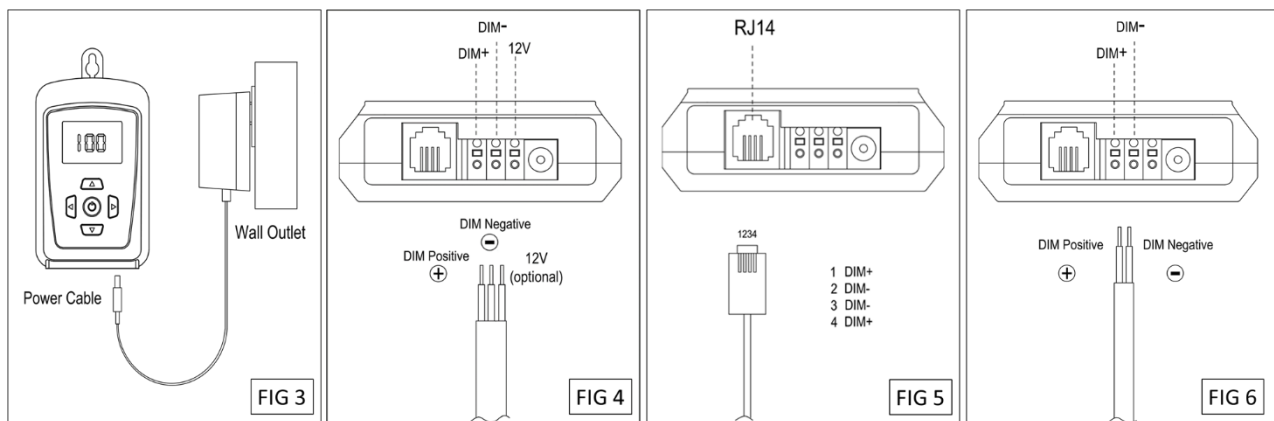
Powering the controller

The controller can be powered in two different ways: using the power adaptor to AC plug, or using the 12V DC power from the luminaire driver.

- To connect the power cable to AC plug, insert the output power adaptor to the right bottom side of the controller. Then plug the AC power adaptor plug into a wall outlet or power strip (FIG 3).
- To connect the power cable to the 12V DC power from the driver, check that the luminaire driver can provide Vaux+ 12V as an output, and insert the associated lead to the 12V push-in connector at the bottom of the controller (FIG 4).

Connecting data cable to light fixtures

At the bottom of the controller there is one RJ14 port and 3-pin push-in terminal.

- To connect the RJ14 cable, connect one end of the RJ14 data cable into the controller's port on the bottom left side, and the other end to the light fixture. Make sure your light fixture follows the wiring scheme in FIG 5.
- Alternatively, connect the 0-10V DIM+ and DIM- respectively into the associated push-in terminals (FIG 6).

OPERATING

The controller integrates DIMMING, SCHEDULING, and SUNRISE SUNSET functions, in addition to SYSTEM TIME settings. Each function can be accessed and modified through the left, right, up, down, and central button on the controller.

- SYSTEM TIME SETTING:
  To adjust the system time, on the home screen (FIG. 7) press the central button to enter system settings (FIG. 8).
  Press left or right button to choose hour or minute.
  Press up or down button to adjust.
  Press right button to exit system settings.

- DIMMING SETTING:
  On the home screen (FIG. 7), press up or down to adjust the light intensity to the desired level.
  The intensity can be adjusted to 0%, 10-100%.

- SCHEDULING SETTING:
  The scheduling setting allows to set the on and off time for the light. To set the schedule, on the home screen press the left button to enter the scheduling setting (FIG. 9).
  Press up or down button to set the scheduling functionality ON or OFF.
  Press the left or right button to navigate through the hour/minute in a 24-hours cycle.
  Use the up or down button to adjust the time.
  Press right button to exit the scheduling settings.

- SUNRISE SUNSET SETTING:
  The sunrise sunset setting allows to set the duration of the ramp-up and ramp-down of the light at the selected ON and OFF time selected in the scheduling setting. To set the sunrise sunset, on the home screen press the right button to enter the sunrise sunset setting (FIG. 10).
  Press up or down button to adjust the duration from 0 to 45 mins.
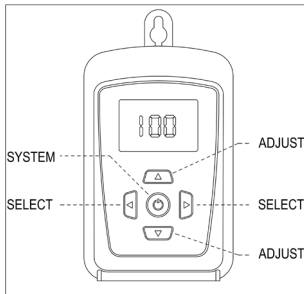 Press the right button to exit.

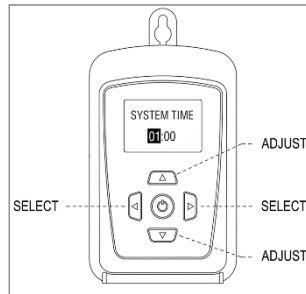

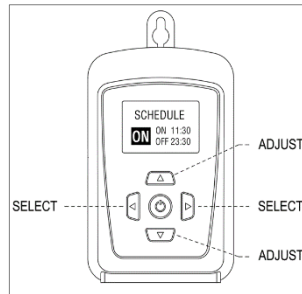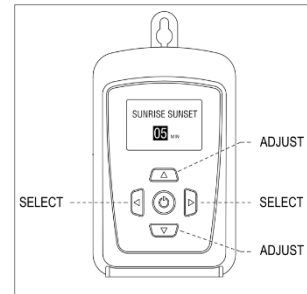| FIG. 7 - Home screen and dimming settings | FIG. 8 - System settings | FIG. 9 - Scheduling settings | FIG. 10 - Sunrise sunset settings |