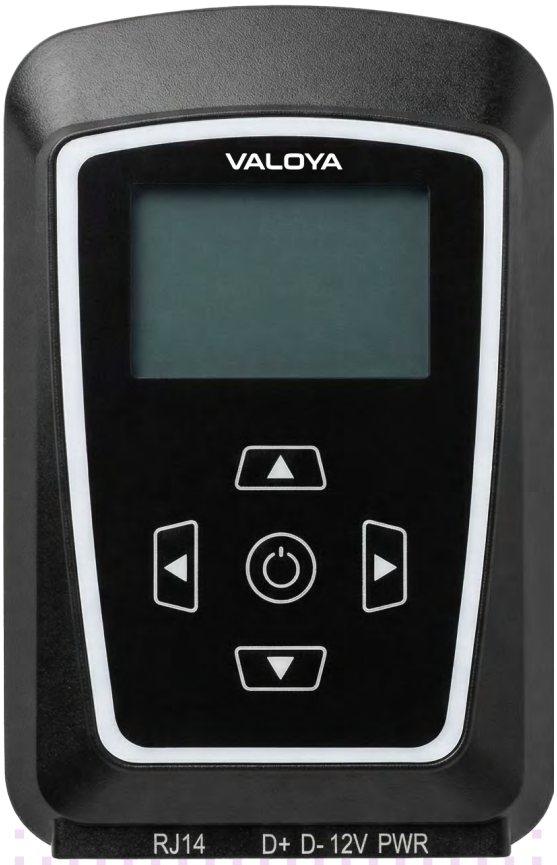
VALOYA

Valoya
Dimmer



CONTROLLER USER MANUAL

Important safety precautions

READ CAREFULLY AND UNDERSTAND COMPLETELY BEFOREINSTALLINGOROPERATINGTHECONTROLLER.

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. Regular maintenance programs are recommended.

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.

WARNINGS ⚠

RISK OF ELECTRIC SHOCK

- All wiring connections should be capped with UL approved recognized wire connectors.
- Make sure power supply is OFF before installing or maintaining controller.

RISK OF FIRE

- DO NOT exceed maximum supply voltage marked on label.
- DO NOT exceed maximum ambient temperature or RH.

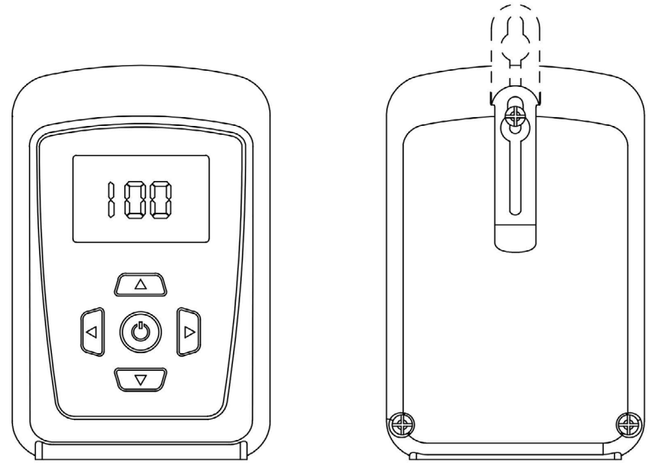
CAUTION ⚠

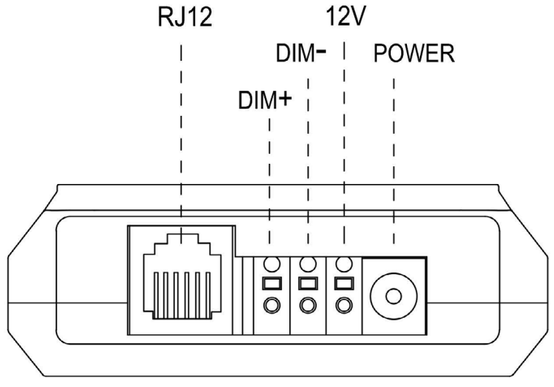
RISK OF PRODUCT DAMAGE

- HANDLE WITH CARE! Improper installing, operating and servicing might damage the product and void the warranty.
- 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 dropped ceiling.
- DO NOT route the power cord, which is subject to strain and protected.

Specification

Number of Channels: 1
Signal Type: 0-10V
Max # of Fixtures Controlled: 25
10V Output Control: 0-10V±0.1V
Adaptor AC Input Power: 120-240V
Dimmer DC Input Power: 12V 1A





Mounting

The controller can be surface mount (with screw and mounting hole) and cable tie mount. On backside of the controller, there is a mounting bracket. Slide it out and hang it onto surface like the wall, grow rack, or even your light fixture, see FIG. 1. You can also use cable tie (not provided) to affix it onto any available surface, see FIG. 2.

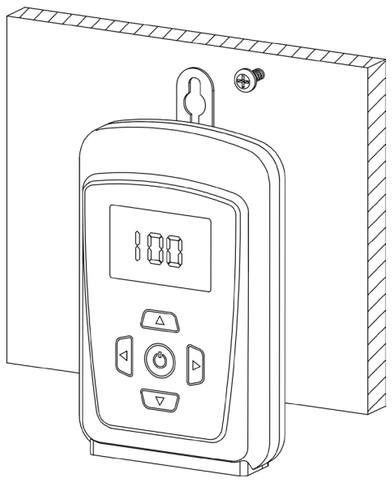
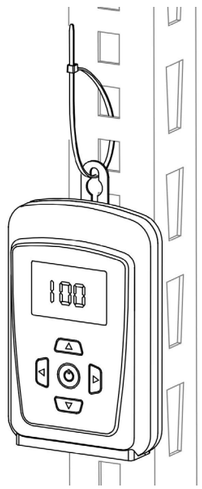


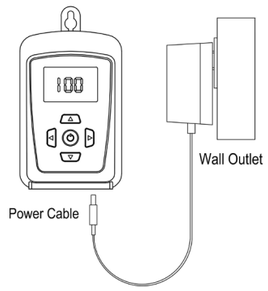
FIG. 1

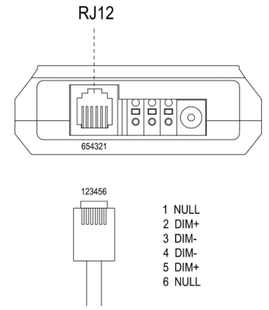
FIG. 2



Connecting & Wiring

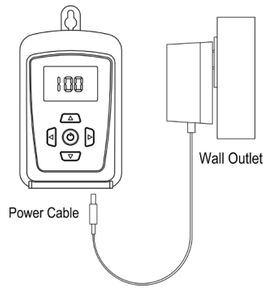
You have three options for connecting Valoya's dimmer.

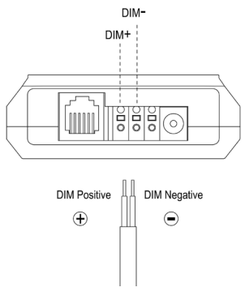




OPTION 1.

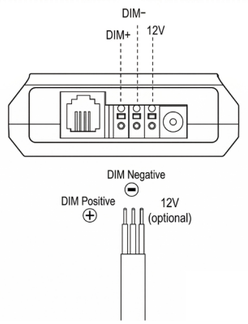
Power the dimmer via a wall outlet and connect the luminaire using an RJ12/14 cable.





OPTION 2.

Power the dimmer via a wall outlet and connect the luminaire using open-ended wires.



OPTION 3.

Power the dimmer via the LED driver and connect the luminaire using open-ended wires.

Operating

The controller integrates DIMMING, SCHEDULING and SUNRISE SUNSET functions. Use UP/DOWN buttons to adjust setting; use LEFT/RIGHT buttons to select; and use CENTRAL button to enter system time setting, see FIG. 6.

If it is your first time setting up the controller, the display shows “100” as soon as it powers up. The display will turn dark in 30 seconds if there is no active operation.

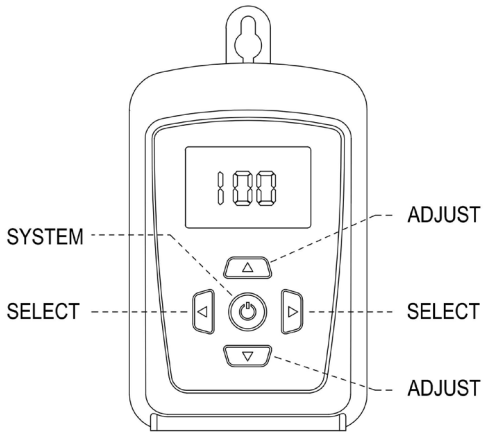


FIG. 6

SYSTEM TIME SETTING, see FIG. 7

1. Press central button to enter system time setting.
2. Press left or right button to choose hour or minute; press up or down button to adjust.

DIMMING SETTING

Press up or down button to adjust the light intensity (0%-100%) to the desired level.

SCHEDULING SETTING, see FIG. 8

1. On the home interface, press left button to enter into SCHEDULING setting.
2. Press up or down button to keep SCHEDULING functionality ON or OFF.
3. Press left or right button to set the hour/minute in a 24-hour cycle, press up or down button to adjust the time.
4. Press right button to exit.

SUNRISE SUNSET, see FIG. 9

1. On the home interface, press right button to enter into SUNRISE SUNSET setting.
2. Press up or down button to adjust the duration of sunrise sunset.
3. Press right button to exit.

FIG. 7

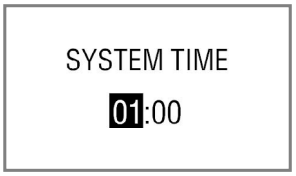


FIG. 8

FIG. 9