

PLANT LIGHTING SMART CONTROLLER



Control Multiple Fixture Groups

Control up to 160 total fixtures across 2 groups (80 fixtures per group) in separate grow areas with the simple to use LED touch screen.



Auto Pilot Dimming Modes

Adjust dimming manually or program light levels and time schedules using one of three cycle options: Daily Cycle, Custom Cycle and Hourly Daily Cycle.



Sunrise & Sunset Mode

Select the amount of time it takes the lights to dim on and dim off at the beginning and end of each cycle to mimic natural sunrise and sunset conditions.

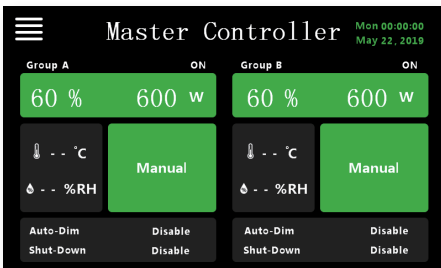


Overheat Protection

Assign temperature thresholds for Auto-Dim and Shut-Down protocols to protect plants from excessive heat in case of HVAC failure or other emergencies.

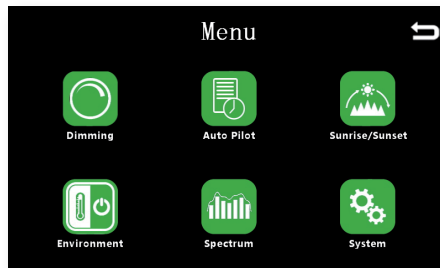
Plant Lighting Smart Controller Main Features

Home Screen



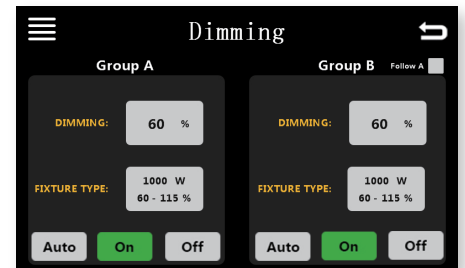
Easily view each group's power levels, temperature, humidity, dimming status and emergency shut down status from the Home Screen.

Main Menu



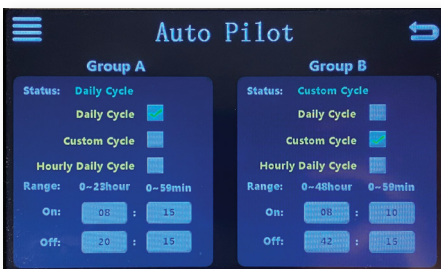
Access Dimming, Auto-Pilot, Sunrise & Sunset, Environment, Spectrum* and System settings from the Main Menu.

Dimming & Fixture Type



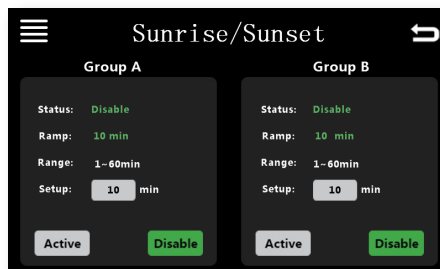
Control each group's dimming level and fixture type (LED 15-100% or HID 50-115%) from the Dimming screen. Select either manual On/Off or Auto-Pilot dimming modes.

Auto Pilot



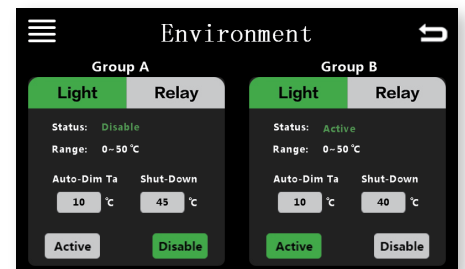
Program light levels and time schedules in Auto Pilot mode using one of three cycle options: Daily Cycle (24-hr period), Custom Cycle (48-hr period) and Hourly Daily Cycle (hour by hour over a 24-hr period).

Sunrise & Sunset



Enter a minute value between 10-60 minutes to set the amount of time it takes the lights to dim on and dim off at the beginning and end of each cycle for each group.

Environment



Assign temperature thresholds for Auto-Dim and Shut-Down protocols to protect plants from excessive heat in case of HVAC failure or other emergencies.

PLANT LIGHTING SMART CONTROLLER



Plant Lighting Smart Controller Contents



Controller module x1



User manual x1



Power cable (DC 5V) x1



Temperature & humidity sensor x2



RJ14 network data cable x2



RJ14 daisy chain connector x2

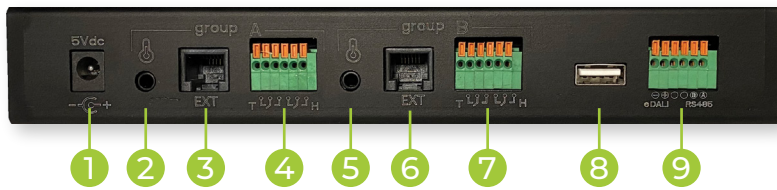


Screw anchor x2



Mounting Screw x2

Plant Lighting Smart Controller Interface Connections

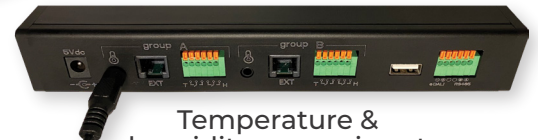


1. DC power input
- 2/5. Temperature & humidity sensor jacks
- 3/6. RJ14 network data cable ports
- 4/7. Relay switch ports for temp./humidity sensors
8. USB port
9. eDALI/RS485 signal output

To connect the controller to the fixture, simply plug the RJ14 network data cable into the light fixture's dimming or communication port.



DC power input



Temperature & humidity sensor input



RJ14 network data cable input

SPECIFICATIONS		PLANT LIGHTING SMART CONTROLLER
Model number		AG/LED/SCON
Screen size		8.5" (216mm)
Power adapter		100-277V AC - DC 5V/1000mA
Control voltage outputs		2 groups (A/B)
Number of fixtures per output		80 pcs max
Max cable length per group		328' (100m)
Sensor cable length		16.4' (5m)
RJ14 network data cable length		9.8' (3m)
Auto pilot		Yes
Sunrise/Sunset		Yes (10-60 minutes)
Overheat protection		Yes
Dimensions (l x w x h)		8.2"x5.2"x1.3" (208x132x33mm)
Weight		1.54 lbs (0.7 kg)
Warranty		3 years

* Not compatible with the Active Grow LoPro Max (G1). For spectral tuning grow lights only.