TELOS

LIGHT CONTROLLER

USER GUIDE


TELOS
SAVE/
EXIT
POWER
ENTER
PRIM 24.4°C 50%
SUPP 24.4°C 50%
OVERHEAT
TEMP 1
TEMP 2
POWER
PRIM
SUPP

TELOS

Telos Light Controller is precision-engineered for Telos Dynamic fixtures.

Universally compatible with most 0-10v LED, HPS, and UV lights, growers can fine-tune light and temperature settings for healthier, higher-yielding crops.

The two-channel control operates grow lights on different light and temperature settings. For example, Dynamic LED fixtures as primary grow lights, supported by HPS or UV fixtures to boost PPFD or maintain heat within the room.

The controller aligns precise temperature and light cycles with existing feeding schedules, encouraging natural growth behaviours and minimising plant stress.

GETTING TO KNOW THE TELOS LIGHT CONTROLLER

1. Save / Exit Button
2. Power LED
3. Enter Button
4. Overheat Warning LED
5. Overheat Warning LED
6. Down Button
7. LCD Display
8. Up Button
9. Primary Temperature Sensor Connector
10. Secondary Temperature Sensor Connector
11. Optional Power Supply Port
12. Primary Light Connector
13. Secondary Light Connector


TELOS
SAVE/
EXIT
ENTER
OVERHEAT
POWER
PRIM
SUPP
1
2
3
4
5
6
7
8
9
10
11
12
13

INSTRUCTIONS

Mount the Light Controller on a wall, using the included mounting template. Instructions on how to mount the controller are on the template.

Place the temperature sensor in the middle of the room, shaded from direct light. Connect the sensor to the controller using the primary temperature sensor connector.

An additional sensor can be purchased for the supplementary channel.

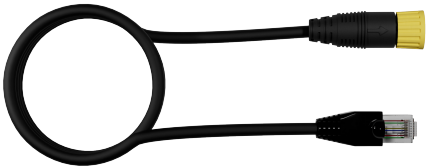
Use the supplied Telos controller cable to connect your light fixture to the primary light connector.

The controller has two available channels which can control up to 25 Telos light fixtures, per channel.

The Telos Light Controller is powered from one Telos light fixture, if you are using different fixtures, that do not power the controller, a separate power supply (not supplied) can be used. Plug this into the mains power and plug into the controllers power port.

TEMPERATURE SENSOR

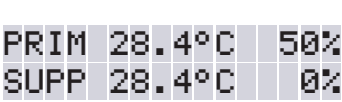
TELOS CONTROLLER CABLE



PLEASE NOTE: These cables are required to use the supplemental channel and are also available to purchase as spares.

MENU SYSTEM / HOME SCREEN

STARTING THE CONTROLLER



Each time the controller is powered, the temperature sensor is initiated.

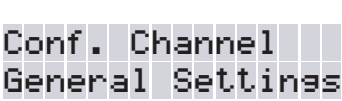
The main screen shows the temperature of each attached sensor and the output level of the light fixtures on each channel.

TIME AND DATE

To show the current time and date press **(UP)**.

DAY COUNTER

To show the day counter for each channel “Primary” and “Supplemental” press **(DOWN)**.

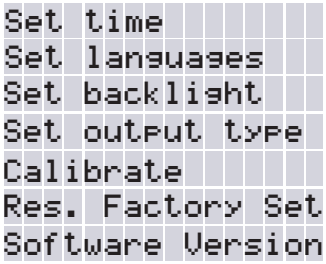


Pressing **(ENTER)** from the main screen allows you to open the main menu. From here you can enter the configure channels menu or general settings.

To enter general settings press the **(DOWN)** button, general settings will now be selected and will start flashing. Then press **(ENTER).**

PLEASE NOTE: To exit any menu items press **(SAVE / EXIT)** button. This will return the controller back to the last menu.

GENERAL SETTINGS



In general settings you can scroll through the menu by pressing the **(UP / DOWN)** buttons. The feature will flash when selected.

SETTING THE TIME AND DATE

From the general settings choose “Set Time” then press **(ENTER)** to make changes.

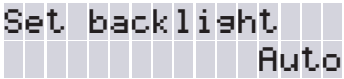
To adjust the date and time, press **(ENTER)** and the date will flash. Use the **(UP / DOWN)** buttons to change the date, press **(ENTER)** to save. Now change the month, repeating the process until the date and time are accurate. Press **(SAVE / EXIT)** to return to the general settings menu.

SETTING THE LANGUAGE

From the general settings choose “Set Language” then press **(ENTER)** to make changes.

To adjust the language, press **(ENTER)**, use the **(UP / DOWN)** buttons to select the desired language. Press **(SAVE/EXIT)** to return to the general settings menu.

SETTING THE BACKLIGHT



From the general settings choose “Set Backlight” then press **(ENTER)** to make changes.

Use the **(UP)** and **(DOWN)** arrows to select the desired screen back light setting, “Auto” (dims after 50 seconds) “On” (back light is permanently on), or “off” (back light is off). Press **(SAVE / EXIT)** to return to the general settings menu.

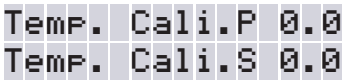
SETTING THE OUTPUT TYPE

You can change the output type for different fixtures. Telos fixtures use the default 0-10V signal.

From the general settings choose “Set Output Type” then press **(ENTER)** to make changes.

To set the output type, use the **(UP)** and **(DOWN)** arrows to select the output type. 0-10 V or PWM. Press **(SAVE / EXIT)** to return to the general settings menu.

CALIBRATING THE TEMPERATURE PROBES



Calibrate setting allows you to change the reading of your temperature probes. This can be useful if you want both probes to read the same value, or if you want to match a different controller such as a fan controller.

From the general settings choose “Calibrate” then press **(ENTER)** to make changes.

To calibrate the temperature probes, use the **(UP / DOWN)** buttons to select Prim. or Supp. Press **(ENTER)** and **(UP / DOWN)** to increase or decrease the value. Press **(SAVE / EXIT)**, you can now change the other value or **(SAVE / EXIT)** to return to the general settings menu.

RESETTING TO FACTORY SETTINGS

From the general settings choose “Res. Factory Set” then press **(ENTER)** to make changes.

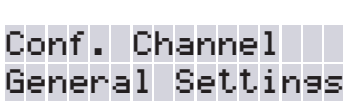
To reset the controller to factory settings, use the **(UP / DOWN)** buttons to select “Yes” or “No” press **(ENTER)**. “Yes” will reset the controller to factory settings.

CHECKING YOUR SOFTWARE VERSION

From the general settings choose “Software Version” then press **(ENTER)**. You will now see the software version that is running on your controller.

Press **(SAVE / EXIT)** to return to the general settings menu.

CONFIGURE THE CHANNELS

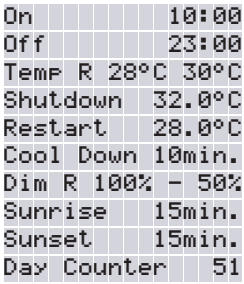


Pressing **(ENTER)** from main screen opens the main menu. From here you can use the **(UP / DOWN)** buttons to select “Conf. Channel”, when selected will start flashing, press **(ENTER)**.

SELECTING YOUR CHANNEL

You can now select the Primary (Prim) or Supplemental (Supp) Channels. Use the up and down arrows to select the channel, they will flash when selected. Press **(ENTER)** to change or view the channel settings.

The two-channels control grow lights on different light and temperature settings. Please note that an additional (not supplied) temperature sensor would be needed for the supplemental channel.



ON

"On" is the time the fixtures turns on. Select "On" and press **(ENTER)** use the **(UP / DOWN)** buttons to change the hour. Press **(ENTER)** then use the **(UP / DOWN)** to change the minutes. Next, press **(SAVE / EXIT)** to carry on setting up the channel.

OFF

"Off" is the time the fixtures turns off. Select "Off" and press **(ENTER)** then use the **(UP / DOWN)** buttons to change the hour. Next, press **(ENTER)** then use **(UP / DOWN)** to change the minutes. Press **(SAVE / EXIT)** to carry on setting up the channel.

TEMP R

"Temp R" is the temperature range that will start to dim fixtures once they reach certain temperatures. It is designed to reduce the heat produced by the fixtures and protect your plants, whilst still providing adequate light. The dimming settings are set within the "Dim R" settings.

Temp R has two adjustable temperatures settings, when the lowest one is reached the controller will start to dim the fixtures. When the higher temperature is reached the fixtures will run at the minimum setting (set in "Dim R").

Select "Temp R" and press **(ENTER)** then adjust the temperature using **(UP / DOWN)**. Press **(ENTER)** to change the second temperature value. The second value has to be a minimum of 1°C higher than the first value. Press **(SAVE / EXIT)** to carry on setting up the channel.

SHUTDOWN

"Shutdown" is the temperature that if reached, turns the light fixtures off. Select "Shutdown" and press **(ENTER)**. Then use the **(UP / DOWN)** buttons to change the value. Press **(SAVE / EXIT)** to return to the menu.

The shut down temperature must be a minimum of 1°C higher than the "Restart Temperature".

RESTART

"Restart" is the temperature that the unit will restart the lights if a shutdown occurs. This should be below the shutdown temperature.

To set, select "Restart" press **(ENTER)** and use the **(UP / DOWN)** buttons to change the value. Press **(SAVE / EXIT)** to return to the menu.

COOL DOWN

"Cool Down" is the length of time that the fixture will be off if shut down is triggered. This is important to protect HPS and CMH lamps by preventing them starting when hot.

Select "Cool Down" press **(ENTER)** and use the **(UP / DOWN)** buttons to change the value. Press **(SAVE / EXIT)** to return to the menu.

DIM R

"Dim R" is where you set the maximum light output depending on what stage your plant's growth is at. You can also set minimum value as some fixtures will turn off below a certain value. This enables the controller to dim the fixtures to their lowest level without turning them off.

Select "Dim R" and press **(ENTER)** then use the **(UP / DOWN)** buttons to change the maximum value. Next, press **(ENTER)** then use the **(UP / DOWN)** buttons to change the minimum value. Press **(SAVE / EXIT)** to return to the menu.

SUNRISE

"Sunrise" is the length of time it takes your fixtures to go from minimum dimming setting to maximum dimming setting when the fixtures are turned on.

Select "0 mins" if you don't want to use this feature.

Select "Sunrise" and press **(ENTER)** then use the **(UP / DOWN)** buttons to change the value. Press **(SAVE / EXIT)** to return to the menu.

SUNSET

"Sunset" is the length of time it takes your fixtures to go from maximum dimming setting to minimum dimming setting before the fixtures are turned off.

Select "0 mins" if you don't want to use this feature.

Select "Sunset" and press **(ENTER)** then use the **(UP / DOWN)** buttons to change the value. Press **(SAVE / EXIT)** to return to the menu.

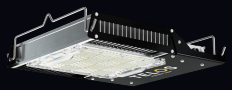
DAY COUNTER

"Day Counter" shows the number of days the controller has been used. This feature helps you know the age of your plants. Additionally it can be used as a guide to change throughout the growth cycle.

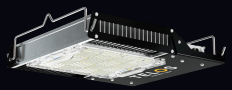
To reset the day counter to 0, use the **(UP / DOWN)** buttons.

TELOS DYNAMIC RANGE

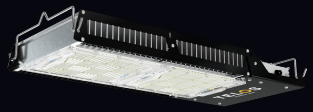
TELOS DYNAMIC 930



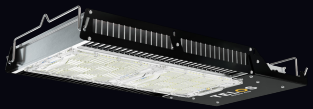
TELOS DYNAMIC 1200



TELOS DYNAMIC 1960



TELOS DYNAMIC 2400



TELOS ACCESSORIES

TELOS DYNAMIC DIMMING LINK KIT

Seamless, synchronised control over multiple Telos Dynamic grow lights. Ensuring precise dimming adjustments and optimised energy efficiency through the Growcast App.

For the Telos Dynamic 930, a Dimming Link Kits is not required, as Growcast is built directly into the fixture.

TELOS DYNAMIC POWER LINK KIT:

The Telos Power Link Kit simplifies power management in multi-fixture grow spaces, enabling multiple Telos Dynamic grow lights to run from a single power source. Each kit includes a Power Link T-connector and a 2m Power Link Cable, allowing seamless daisy-chaining of fixtures while minimising excess wiring.