

# ILUMINAR<sup>TM</sup>

## USER MANUAL

*Please read carefully  
before starting to use  
your new ILUMINAR product.*

## CONTROLLER SET-UP

Press the arrow key to	"ZONE 1" or "ZONE 2"
Press the arrow key to	"AUTO" or "MANUAL"
Press the arrow key to	"AUTO ON" or "AUTO OFF"
Press the arrow key to	set the wattage between "50%" and "115%"
Press the arrow key to	Manual Switch "ON/OFF"
Press the arrow key to	Auto Switch "Auto ON/OFF" to selected "TIME"/"ZONE"
Press the arrow key to	select "X" Disable or "√" Enable; "TIME" 10-60 MINUTES START/END must be greater value than sunset/sunrise time.
Press the arrow key to	select "X" Disable or "√" Enable; Protection temperature setting 10-120° F or 21-49° C
Press the arrow key to	Current Time Setting turn to RTC time setting interface
Press the arrow key to	"BACK" to Cancel the settings and return back to the main menu
Press the arrow key to	"SAVE" to apply the settings and return back to the main menu

*The current output watts (0 or 50~115%)*

*Display the real-time temperature (in • F),*

*2 seconds/update once, When the sensor*

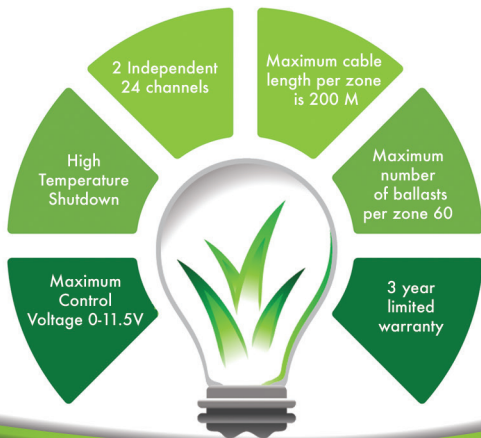
*is pulled out, it displays"--- • F*

# ILUMINAR™

The Iluminar Touch Controller will control, two channels in the greenhouse, with up to 60 units per zone. The controller uses adjustable DC voltage in conjunction with your ballast to control output power and apply time control. The default setting for sunrise and sunset is 15 minutes but it can be set from 10-60 minutes.

Setting	Zone 1	Zone 2
Running Mode	MANUAL	MANUAL
Watt %	110%	110%
Manual ON/OFF	OFF	OFF
Auto Setting	ON AM 6:00 OFF PM 6:00	ON AM 6:00 OFF PM 6:00
Sunrise/Set	× 10 min	× 10 min
Limited Temp	× 100 °F	× 100 °F
Time Setting	AM 10:00	<input type="button" value="BACK"/> <input type="button" value="SAVE"/>

Both channels contain a protection function that can be set as needed. With your 2.8" touch screen LCD, you can easily view and modify the current settings for each channel. The Iluminar Touch Controller replaces the complicated controllers in the market





**THANK YOU** for purchasing the ILUMINAR Touch Controller. We always strive to deliver the best products possible and will do our best to make sure you are completely satisfied. The following is general set of warnings and basic guidelines for you product. Always have an expert(s) install your fixtures when possible.

#### WHAT'S IN THE BOX



**Touch  
Controller**

**Temperature  
Sensor  
Cables**



**Data  
Cable**



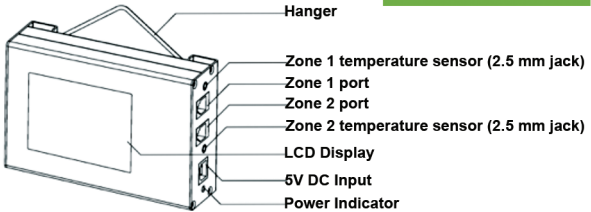
**Plug  
Adaptor**



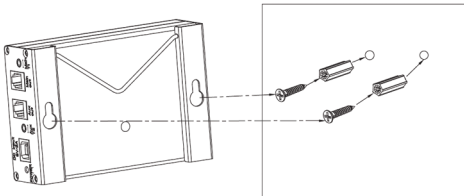
**Mounting Screws  
& Wall Anchors**

## DO NOT DISPOSE OF ORIGINAL PACKAGING

All returns will need to be in the original ILUMINAR packaging in order to avoid product damage during shipping. Any damage to products not in their original packaging will not be covered under warranty.



## HANGING INSTRUCTIONS



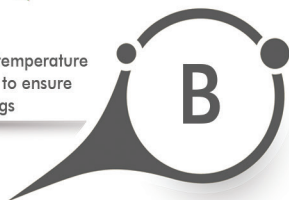
**Mark two holes on the wall matching up to the back of the device, find the holes and pre-drill two small holes into the wall; place a wall anchor into the installation holes; and screw in both screws. Screws need to be away from the wall about 16-18mm; finally, attach your controller to the wall.**

# TEMPERATURE INSTALLATION



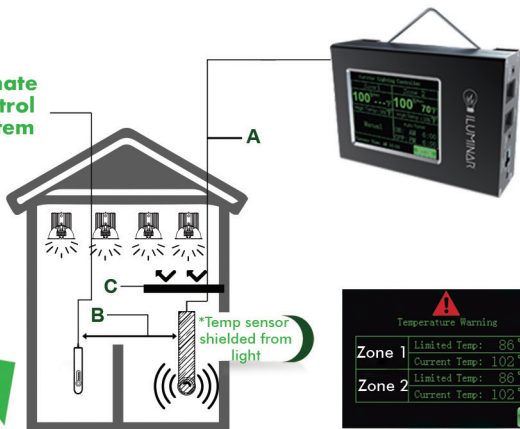
Insert the plug for the temperature probe into port Zone 1 or Zone 2

Place the temperate probe near the temperature sensors of existing climate control to ensure similar temperature readings



Keep the temperature probe out of direct light to avoid fluctuations in the temperature reading.

## Climate Control System



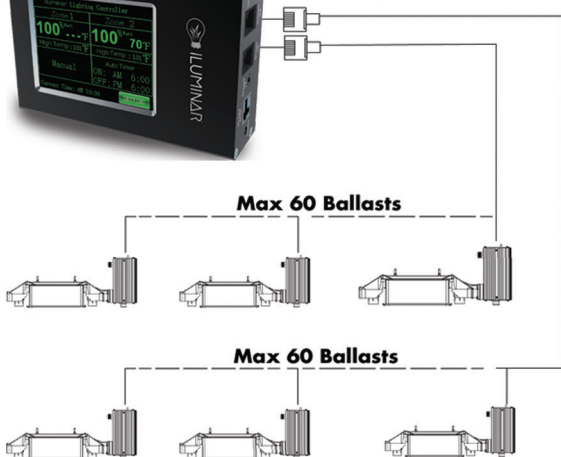
## Temperature Alert

When the ambient temperature in either zone reaches the programmed set point, the high temperature shut down is enabled and the controller will display the temperature alarm interface while shutting down the lights. The controller will remain in this mode until the ambient temperature falls back below the temperature shut down set point and the alert is cleared. Pressing the back button will return the controller to normal operation as long as the ambient temperature is below the high temperature shut down set point.





## Smart lighting Controller



Plug the RJ9 end of one of the controller cables into one of the RJ9 ports of the controller



# CONNECTION & INSTALLATION STEPS

1

Plug the RJ9 end of one of the controller cables into one of the RJ9 ports of the controller

2

Plug the RJ14 end of the same controller cable into the RJ14 on

3

If multiple ballasts are used plug the RJ14 end of the same controller cable into the first splitter. From the splitter plug one of the RJ14 cables into the first ballast, plug the other RJ14 cable into the next splitter. Continue this pattern with up to 60 ballasts per channel.

ILUMINAR™



Please do not open the controller, it will void your warranty.

Do not use detergents, acids or solvents to clean the controller.

Please use a dry soft cloth to cleaned.



**Operating Temp Range**   **Operating Humidity**  
**up to 120° F**   **<90%**  
**48° C**

The symbol indicates that this product cannot be discarded as household waste. Please obey the refuse classification system to deal with this product, which is helpful to prevent possible risks to the environment and public health. There is no doubt that recycling materials contributes to protecting our environment. Therefore, never dispose your older electrical appliances via household waste.



## **Illuminar Limited Warranty**

**This limited warranty covers defects in materials and workmanship in this product.**

**This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Illuminar Lighting to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product. Without limiting any other exclusion herein, Illuminar Lighting does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.**

**The standard limited warranty for Illuminar products is three (3) years from the date of original purchase, with the following exceptions:**

- 1. All Illuminar products are covered by a standard three (3) year warranty for hardware electronics.**
- 2. All Illuminar Reflectors are covered by a one (1) year warranty, please check their packaging for the specific warranty length.**
- 3. Illuminar Touch Controller has a 3 year limited warranty.**

**Illuminar Lighting will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:**

- 1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. Illuminar Lighting will also pay the shipping costs necessary to return this product once the repair is complete.**
- 2. Replace this product with a direct replacement or with a similar product deemed by Illuminar Lighting to perform substantially the same function as the original product.**
- 3. Issue a refund/ credit to Retailer of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.**

**To obtain a remedy under this limited warranty, you must contact either the authorized Illuminar Lighting reseller from whom you purchased this product or the Illuminar Lighting distributors office or reseller nearest you. For a list of authorized Illuminar Lighting resellers and/or Illuminar Lighting authorized Distributors, visit our web**

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[www.iluminarlighting.com](http://www.iluminarlighting.com)