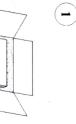


DA-600S-12W4-1

!! ATTENTION !!

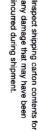
LISTED

this installation guide to ensure safe and efficient operation of this Power Module. Please read and understand thoroughly



Open shipping carton, and carefully

Open the side flap inside of shipping carton and remove the Bottom Plate and Bottom Plate hardware bag if supplied with unit.



a cleaner, more professional looking installation well as a 1-3/4" diameter access hole to allow for a larger centrally located 1-1/2" conduit for for adapting to standard conduit sizes, as The Bottom Plate has pluged holes



Hardware Bag



(5)

CHECKING THE OUTPUT AMPS:

Remove the photo-control star lock-up nut and push the photo-control white connector through
the plug hole. Replace the star lock-up nut.
 Plug photo-control white connector into the inside panel connector. Ensure that the side latch locks the
connector in place. Arrange wires carefully inside the housing, Push the front cover back and replace dip into
position and secured. Turn on the power:

hese instructions for future use.

Locate transformer and position photo-control so that no artificial light will cause the photo-control to cycle on and off. "In the unlikely event that the photo-control should fail, the lighting fixtures will remain on, even

place the jumper

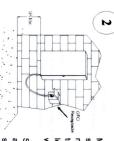
n the daytime. If this should happen, follow these instr

connector in its place.Contact your local Distributor to order replacement photo-control

JUMPER CONNERCTOR U

PHOTO CONTROL

MOUNTING THE UNIT:



surface using keyhole slots in the mounting bracket. (NOTE: The with the wire terminals facing down. least one foot above ground level, transformer must be mounted at Mount the Transformer to a solid

appropriate wall anchors for the wall surface used. Secure the Transformer using the

DETERMINE THE LOAD:

w

These transformers are equipped with secondary circuit breakers that are connected to the COM. Each circuit can be loaded up to a maximum of 300 watts.

DO NOT EXCEED 300W PER RUN!! (Example:5x60W or 3x100W) A) Add up your fixture's wattage. Divide your load into 300W max. per wire run.

B) Measure the approx. distance from the transformer to the last fixture on each run. Refer to Chart 1 to pick the correct tap for each run. You may use one, two, three or all taps at once.

Voltage	TAP 1	P I	TAP 2 13V	P 2	TAP 3	P3	TAP 4	7 7
/	AWG	AWG	AWG	AWG	AWG AWG	AWG	AWG AWG	
Watt	12	10	12	10	12	10	12	10
100 - 149	38	89	76	120	113	180	151	
150 - 199	25	40	50	80	76	120	101	
200 - 249	19	30	38	80	57	90	76	
250 - 300	NA	24	N/A	48	N/A	72	N/A	96

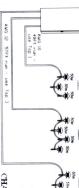


CHART 2 (WATTAGE LOSSES PER FOOT)

Once you find the correct tap for each run, see Chart 2 to calculate the cable losses.

AWG 100W 150W 200W 300W 12 0210 0461 0855 NA 12 0131 0293 0.537 12

Sable loss = (loss per foot X distance) = (0.293 X 40ft) +(0.855 X 57ft) + (0.293 X 80ft) = (11.72) + (48.755) + (23.44) = 83.895 watt losses total.

Determining Maximum Lamp Load:
 If of our Transformers are designed to provide up to maximum wattage rating dowever, you must take into account the cable losses.

Waximum Lamp Load = (Transformer rating mumus (cable losses) = (600W) - (83.895)

= approximately 516W Lamp Load.
Your maximum lamp load should not exceed approximatel ximately 516W. **

CONNECTING THE CABLES the screws that hold the unit bottom cover side in

4

Run lighting cables through knockouts in Bottom Plate. place, and turn the bottom cover out and remove plug hole

Connect the low voltage cables to the COMs and low voltage taps labeled on the Terminal blocks.

Make sure that all connecting screws are secure and tight.

wire contact an electrical supply company)
The cable is intended for shallow burial - less
than 6 inches(152mm) Using Minimum 12AWG(or suitable) for connection, the cable may be used type SPT-3. (To order additional

REMEMBER!! Maximum 300W per circuit!!

Plug the 120V line cord into a grounded 120V outlet. Turn on one breaker at a time to ensure that your low voltage cable runs are connected per Chart 1, and to ensure that there are not any short circuits. Turn off ALL the circuit breakers in the transformer unit.

Your Transformer is provided with a long loop that you may utilize to measure the input current. Simply apply the clamp on the Amp Meter around the loop and measure the current. (See Charl 3) • 01 CHECKING THE INPUT AMPS: Once you have checked all the runs for corect voilages, use a clamp-on Amp Meter and check the output current on the low-voltage cable at the transformer. REMEMBER!! Maximum 25Amp per circuit!! 0 888888

Added Features Installation Instructions

Installing the Photo-control:

- Make sure power is off and transformer is not plugged into an electrical outlet. NOTE: No splice or wiring
- is required if transformer is equipped with jumper connector.

 Turn out the clip of transformer case and open front cover and remove one (1) of the 7/8" plug hole on the

- Installing the 24 Hour Time Clock:
 1. Open the front cover of the transformer housing.
 2. Unplug the cord from the receptacle.
 3. Plug the cord into the 24 Hour Time Clock.

- Plug the 24 Hour Time Clock into the transformer receptacle.

 Set the time on the 24 Hour Time Clock per the instructions provided with the Time Clock

IMPORTANT SAFETY INSTRUCTIONS:

should always be practiced including the following:

- Read and follow all safety instructions.
 Read and follow all instructions that are on the product or pro

vided with the product

REMEMBER!! Do not exceed the maximum input current!! The Transformer is marked with a label showing the

maximum input current.

- 4. For use with low voltage landscape lighting systems only.
 5. The bad connected to Each circuit can be baded up to a naximum of 300 watts.
 6. "WARNING Risk of Electric Shock: Install power unit 5 feet (1.5 m) or more from a pool, spa, or fountain.
 Where the power unit is installed (a) indoors within 10 feet (3.0 m) of a pool, spa, or fountain or (b) outdoors, connect power unit to a receptacle protected by a GFCI."

ted to a GFCI protected hooded flush type cover plate receptacle marked

- Always plug the transformer into a grounded 120 volt GFCI receptacle