



READ BEFORE YOU START

THIS POWER SOURCE IS TO BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (NFPA70). FAILURE TO FOLLOW THESE CODES AND INSTRUCTIONS MAY RESULT IN SERIOUS INJURY, PROPERTY DAMAGE AND VOID THE WARRANTY. THESE INSTRUCTIONS DO NOT COVER ALL TYPES OF INSTALLATION AND MOUNTING, OPERATION OR MAINTENANCE.



WARNING! - FIRE HAZARD

INSTALL POWER UNIT IN OR ON NON-COMBUSTIBLE MATERIALS ONLY (NOT VINYL)



WARNING! - HOT

IN HOT CLIMATES AVOID MOUNTING DIRECTLY IN SUNLIGHT



WARNING! - SHOCK HAZARD

DO NOT INSTALL WITHIN 10 FEET (3M) OF POOLS, SPAS, OR FOUNTAINS.

TURN POWER OFF BEFORE INSTALLING OR SERVICING COMPONENTS.

POWER SUPPLY MUST BE CONNECTED TO GCFI-PROTECTED RECEPTACLE WITH COVER

Watts	Common Taps	Output Voltage
75W	x1	12VAC, 15VAC

Output Amps per Circuit	Input Voltage	Input Amps
25A	120VAC, 60HZ	0.625A

NOTE: ENSURE THAT THE CIRCUIT LOADS DO NOT EXCEED 80% OF ITS CAPACITY.

Example:

Maximum Wattage: 75W

80% Safe Load: $75W \times 0.8 = 60W$

12 LED Pathway Lights: $12 \times 2W = 24W$

6 LED Spotlights Lights: $6 \times 5W = 30W$

Total Load: $24W + 30W = 54W$

Verification: $54W < 60W$

(The transformer operates at less than 80% Maximum Load)

TOOLS/SUPPLIES NEEDED:

- Large Flathead Screwdriver
- Marking Pencil
- Tape Measure
- Wire Cutters
- Wire Strippers
- Drill

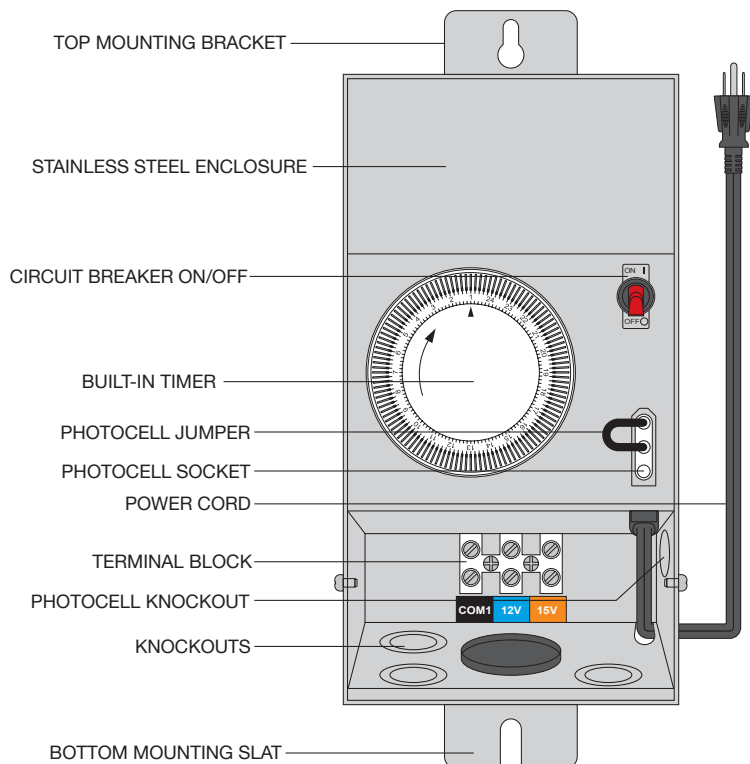
PARTS INCLUDED:

- ILS-S075A-SS (TRANSFORMERS)
- Flathead Screwdriver (smaller bit size)
- Built-in Timer

IMPORTANT SAFETY GUIDE:

- It is recommended to use a qualified electrician for installation or maintenance.
- Only for use with low voltage luminaires
- Indoor and outdoor rated but recommended for outdoor use. If mounted indoor check for local electrical codes that may apply
- Must be mounted in a vertical orientation with a bottom plate being at least 12 inches off the ground
- Do not use extension cords with transformers
- Do not wire multiple transformers outputs onto the same low voltage circuit

FIG. 1



INSTALLATION STEPS 1-7

Step 1: Unpack and Verify Components

Remove all components from the packaging and remove the faceplate from the transformer by removing the screws from either side of the transformer. Confirm that all necessary parts are included. (FIG 1)

Step 2: Mount the Transformer Securely

Before mounting confirm the system is positioned within reach of a GFCI-protected outlet with an in-use cover to plug the transformer into. Secure the transformer to the wall using appropriate wall anchors for wall materials and transformer weights (ILS-S075A-SS = 7.15 lbs). Mount the transformer at least 12 inches above the ground, with at least 12 inches of clearance on all sides.

Step 3: Choose and Prepare Wire Routing Method

If using knockouts use screwdriver or knockout tool to remove the desired plug. Attach conduit fittings sized to match trade sizes below. (FIG 2)

Step 4: Strip Wire Insulation for Connection

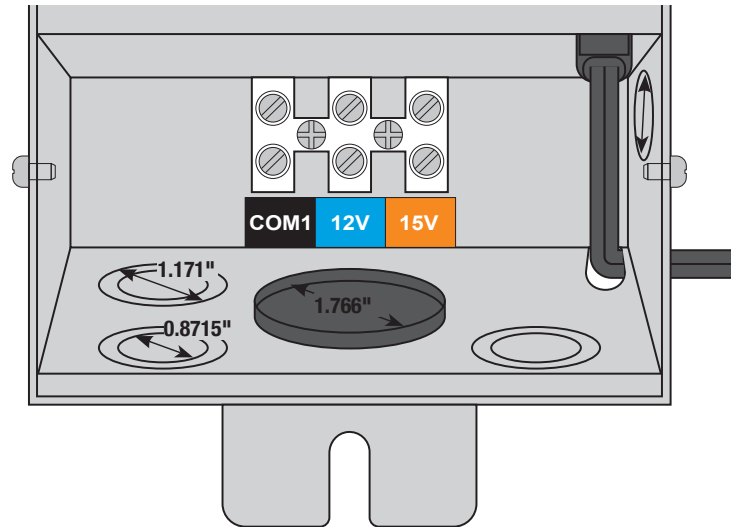
Separate wires and strip insulation on both leads about 1/2" to expose enough wire for a secure connection.

Step 5: Connect Wires to Transformer Terminals

Using a flathead screwdriver, loosen the terminal screws to release the metal clamping plates. Insert one stripped lead into the common terminal and the other into the desired voltage terminal, ensuring the bare wire sits flat under the clamping plate. Tighten the terminal screws until the wires are gripped securely. After tightening all connections tug firmly on each wire terminal to ensure no loose connections.

NOTE: Do not wire outputs of multiple transformers together, and multi-output terminals (e.g., 12V and 15V, even if both taps are the same voltage) to the same circuit.

FIG. 2



ILS-S075A-SS		
Actual Diameter (Inches)	Trade Size	Number of Knockouts
0.8715"	1/2	x3
1.171"	3/4	x3
1.766"	1 & 1/4	x1

FIG. 3

KEY INTERACTIONS: ILS-S075A-SS			
TIMER STATUS	SWITCH STATUS	PHOTOCELL STATUS	OUTPUT POWER
ON	ON	ON	ON (CONDITIONS MET)
ON	ON	OFF	OFF (PHOTOCELL OVERRIDE)
ON	OFF	ANY	OFF (SWITCH OVERRIDE)
OFF	ANY	ANY	OFF (TIMER OVERRIDE)

INSTALLATION STEPS

Step 6: Power On the Transformer

Plug the transformer into the GFCI outlet, ensuring it has an in-use cover for protection. Using the circuit breaker ON/OFF switch, flip the switch into the "ON" position.

Step 7: Test and Troubleshoot the System

Once all connections are secure, turn on the power supply to test operation. When the system lights up adjust fixture positioning to best control light beam. If not then check connections and transformers. (FIG 4)

BUILT IN TIMER OPERATION

Function:

The mechanical timer allows you to manually program exact ON/OFF times for your devices. Unlike a photocell, which activates based on darkness, the timer follows a fixed schedule set by the user.

Set Current Time:

- Rotate the timer's dial to align the current military time (12 = 12PM, 24 = 12AM) with the timer's reference arrow (FIG 5)

Program On/Off Times:

- The dial has 24-hour markings (1:00-24:00) and movable pins around its edge.
- To turn the device ON: Push the pins outward
- To turn the device OFF: Leave pins inward

Example Settings:

- 4-hour runtime (7 PM to 11 PM): Push pins outward from 19:00 (7PM) to 23:00 (11PM).
- 10-hour runtime (7 PM to 5 AM): Push pins from 19:00 (7 PM) to 05:00 (5 AM).
- ON TIMES (FIG 5)
 - 9 - 13 (9AM - 1PM)
 - 18 - 22 (6PM - 10PM)

FIG. 4

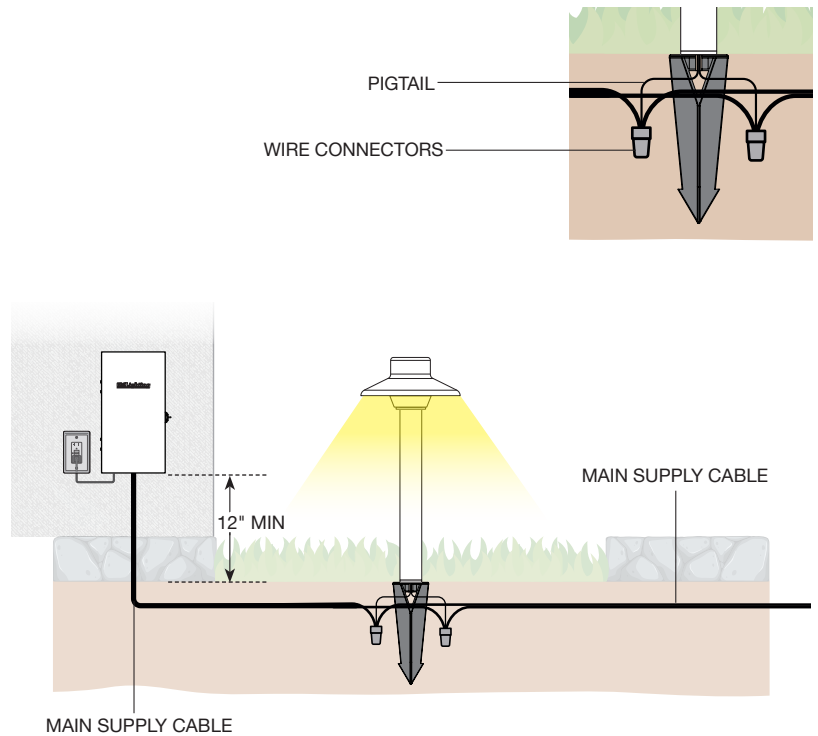
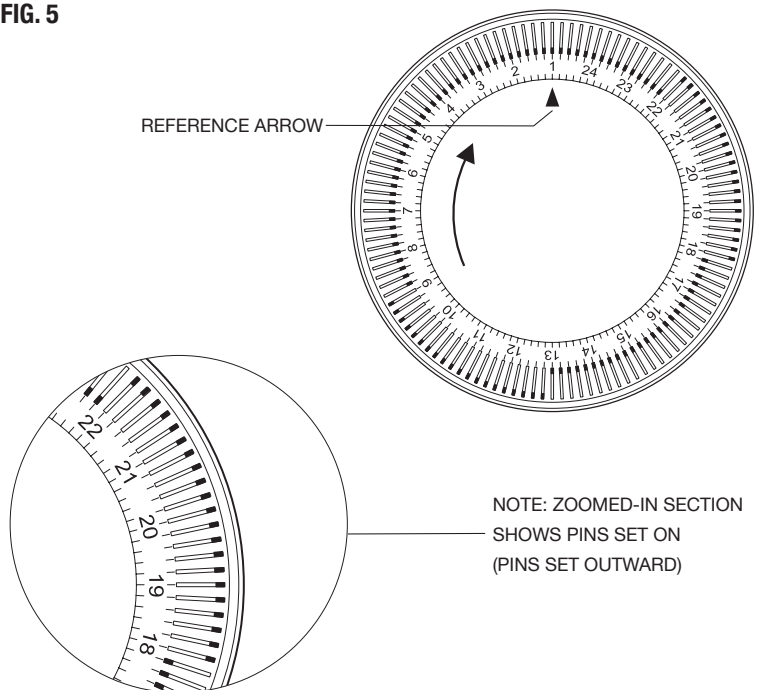


FIG. 5



PHOTOCELL OPERATION (Sold Separately)

Function:

The mechanical timer allows you to manually program exact ON/OFF times for your devices. Unlike a photocell, which activates based on darkness, the timer follows a fixed schedule set by the user.

1: Remove the Knockout

- Use a knockout tool or flathead screwdriver to remove the metal knockout near the photocell terminals.

2: Prepare the Photocell

- Ensure the photocell's wiring is disconnected (if pre-installed).
- Remove the ring nut from the photocell mounting.

3: Install the Photocell

- Insert the photocell into the knockout hole, ensuring:
 1. It sits flush with the enclosure (no gaps).
 2. The sensor faces outward for proper light exposure
- From the inside of the enclosure, secure the photocell by tightening the ring nut.

4: Connect the Photocell

- Plug the photocell's wiring into the designated photocell socket in the system.

Final Checks

- Verify the photocell is firmly mounted and aligned.

*See specification sheet on GM Lighting Website for photocell or contact support at (866) 671-0811

FIG. 7

