

PROGRAMMABLE PLC POWER SUPPLY

This unique power supply is equipped with built-in microprocessor and GPS to find the sunrise / sunset at any location in the world.

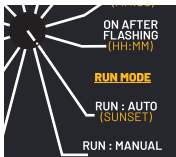
How to Program your PLC GPS Locator


• Install the power supply in an open area so the GPS antenna can find its location.

NOTE: If the power supply is installed indoors, the GPS may not find its location.


• Plug the power supply to a 3-prong plug and make sure ground is active.

• Set the large knob at "RUN AUTO (Sunset)".



• The LED indicator will be flashing red. 

• The first time it may take up to 10 minutes for the GPS to find the current location.

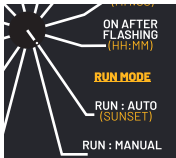
• Once the GPS has found the location, LED indicator will turn green. 

• This means the GPS has found its location and the digital display will count down to sunset.

• If power supply is powered after sunset, the digital display will count down to sunrise.

Autorun Sunset to Sunrise Operation

• Once the large knob is at "RUN AUTO (SUNSET)"



the power supply will turn ON at sunset, and turn OFF at sunrise.

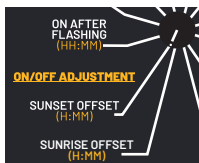
• The digital display will indicate the time remaining to sunset or sunrise.

Turn ON Power Supply at Specific Time

You can turn ON your power supply from minus 9 hours and 59 minutes before the sunset, to plus 9 hours and 59 minutes before the sunset.

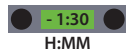
EX 1: If you want to turn ON the power 1 hour and 30 minutes before the sunset:

Step 1: Set the large knob at "SUNSET OFFSET".



STEP 2: Use left small knob to set hour to -1 (minus 1).

Step 3: Use right small knob to set to 30 minutes.

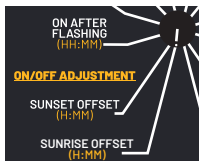


Step 4: Set large knob at "RUN AUTO (SUNSET)".

Turn OFF Power Supply at Specific Time

You can turn OFF your power supply from minus 9 hours and 59 minutes before the sunrise to plus 9 hours and 59 minutes after the sunrise.

To turn OFF the power supply before and after the sunrise, set the large knob at "Sunrise Offset".



Follow steps 2-4 of EX 1.

NOTE: Minus hours and minutes indicate turning ON or OFF the power supply BEFORE sunset or sunrise. Plus hours and minutes indicate turning ON or OFF the power supply AFTER sunset or sunrise.

Run : Manual

Once the large knob is set at "RUN MANUAL", power supply will not have an output and lights will be OFF. In this mode, the power supply can only be turned ON by client NO/NC trigger switch. (MO - Manual ON)

Security Settings

• This programmable PLC is equipped with 3 security settings, Pre-Alarm (PA), Alarm (AL), and Manual ON (MO).

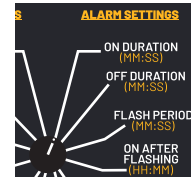
• All 3 security settings can be activated by end user using NO/NC trigger switch.

• Both Pre-Alarm and Alarm settings can be adjusted for ON/OFF flashing duration, flashing period, and stay ON after flashing period ends.

Alarm Settings

EX2: Setting for 1 second ON, 1 second OFF, 2 minute flashing period, 1 hour and 30 minutes to stay ON after flashing period ends.

Step 1: Set large knob at "ON DURATION".



Use right small knob to set to 1 second.



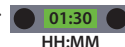
Step 2: Set large knob at "OFF DURATION". Use the right small knob to set to 1 second.



Step 3: Set large knob to "FLASH PERIOD". Use the left small knob to set to 2 minutes.



Step 4: Set large knob at "ON AFTER FLASHING". Use left small knob to set to 1 hour. Use right small knob to set to 30 minutes.



Set the large knob to appropriate position, AUTO RUN / MANUAL RUN. Your power supply alarm is now set.

Pre-Alarm Settings

Use the large knob in the "PRE-ALARM SETTINGS" area and follow steps 1-4 from Alarm Settings.

