

Rating

General: 125V ac. 60 Hz 15 A. 1875W
 Resistive 125V ac. 60 Hz 15 A 1875W
 Tungsten (incandescent) 8 Amp 125 VAC 1000 Watts
 Ballast (fluorescent) 8 Amp 125 VAC
 Motor 1/4 HP 125 VAC

INSTALLATION INSTRUCTIONS:

WARNING: TO AVOID RISK OF FIRE OR SHOCK WHICH COULD RESULT IN INJURY OR DEATH, TURN OFF POWER AT CIRCUIT BREAKER AND TEST THAT POWER IS OFF BEFORE WIRING.

- 1) Remove wall plate and disconnect existing single-pole light switch. There are two wires connected to switch. One is hot wire. The other wire goes to load (light, fan motor). These wires will connect to red and black wires on timer.
- 2) Connect red timer wire to load wire using wire connector.
- 3) Connect black timer wire to hot wire using wire connector. When wiring is finished, press timer ON/OFF button. If load does not turn on-off, then reverse red timer wire and black timer wire.
- 4) Make sure neutral wires are present in junction box. If neutral wires are not present, additional wiring will be necessary before installation can be completed. The white timer wire is required to operate time clock.
- 5) In back of box are white wires that are twisted together and covered with wire connector. These are neutral wires. Connect white timer wire to the neutral wires.
- 6) Green timer wire connects to bare copper ground wire.

SETTING THE CLOCK

- 1) Press **TIME** button to set current time. Start with Year
 - a) Press "+" to increase number. Press "-" to decrease number. Year setting range 2009-2099.
- 2) Press **TIME** button again to set current month.
 - a) Press "+" to increase number. Press "-" to decrease. Month range 1-12
- 3) Press **TIME** button again to set current day
 - a) Press "+" to increase number. Press "-" to decrease number. Day setting range depends on Month/Year. Max to 31. Days will show at top of display. MO TU WE TH FR SA SU.
- 4) Press **TIME** button again to set Day-Light-Savings-Time (DST)
 - a) Press "+" or "-" to set DST: Choose ON or OFF for DST
 - > DST ON: Auto-run current time one hour earlier from 2am on the Second Sun in March to 2am on first day Sun of Nov.
 - > DST OFF: No automatic DST change
- 5) Press **TIME** again to set current hour.
 - a) Press "+" to increase number. Press "-" to decrease. Hour range 12 hours am and 12 hours pm.
- 6) Press **TIME** again to set current minute.
 - a) Press "+" to increase number. Press "-" to decrease. Range 1-59
- 7) Press **TIME** again to set current Astro zone
 - a) Press "+" or "-" to set Astro zone
 NORTH NOR
 CENTER CEN
 SOUTH SOU
- 8) Press **TIME** again to finish current time setting and show current time.



THINGS YOU SHOULD KNOW ABOUT CURRENT TIME SETTING:

When setting current time during the Daylight-Savings time period, and DST function is ON, your current time should be time after DST

SETTING THE SUNRISE / SUNSET SCHEDULE:

This unit's sunrise/sunset schedule is based on USA astronomic zones. Actual sunrise/sunset schedule varies slightly from east to west. You can set actual sunrise/sunset time based on local times. This unit will memorize the difference and auto-adjust

- 1) Press **☀** button to show current Sunrise time.
 - a) Press "+" to increase number. Press "-" to decrease number
 Setting range MAX +/- 2 hour
- 2) Press **☀** button again to show current Sunset time.
 - a) Press "+" to increase number. Press "-" to decrease number
 Setting range MAX +/- 2 hour
- 3) Press **☀** button again to finish current Astro setting and show current time

SETTING PROGRAMS:

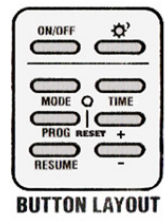
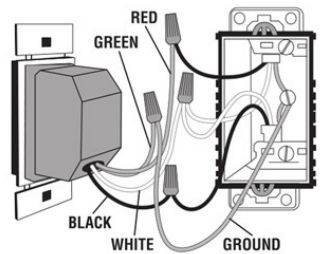
- 1) Image on right shows location of display icons
 - a) Display shows days of the week, astro symbol, hours, minutes, AM PM, Random, Auto, event 1, ON and OFF, and DST (Daylight savings time)
- 2) When programming, you will set event 1 ON and select days, hours with AM or PM, and minutes. Next you will set event 1 OFF and select days, hours with AM or PM, and minutes.
- 3) For astro dusk-dawn programming, you will set event 1 ON and select astro AM or astro PM. This will select whether event 1 turns ON at dawn or turns ON at dusk. Next you will set event 1 OFF and select astro AM or PM. This will select whether event 1 turns OFF at dawn or turns OFF at dusk.
- 4) Press **PROG** button to begin programming.
 - a) Display shows "1" and "ON." This is event 1 ON shown on right.
- 5) Press **TIME** button to set day for event 1 ON
 - a) Press "+" or "-" to choose days as shown below:
 Individual day of week MO, TU, WE etc thru SU
 All days of week MO TU WE TH FR SA SU
 Weekdays MO TU WE TH FR
 Weekend SA SU



Con't top of page

Program up to 7 events

7-day 7 programs
 Set Astro dawn-dusk
 or
 Set specific hours/minutes



- 6) To set Astro, keep pressing +/- until **☀** displays. Choose astro AM or astro PM. To continue in astro, no hours are set, simply press **PROG** button and display shows event 1 OFF. Repeat steps 4 5 and 6 to set event 1 OFF.
- 7) To set event 1 ON hour, Press **TIME** button and hours flash.
 - a) Press +/- to set hour with AM or PM.
- 8) To set event 1 ON minute. Press **TIME** button and minutes flash
 - a) Press +/- to set minutes
- 9) Press **PROG** button and "1" and "OFF" display. This is event 1 OFF. Repeat steps 1-8 to set event 1 OFF days, minutes, hours
- 10) Press **PROG** button to set event 2 through 7, and repeat steps.
- 11) When programming is complete, Press **TIME** button for 2 seconds

THINGS YOU SHOULD KNOW ABOUT PROGRAMMING EVENTS:

- When having programming difficulties, clear or delete event using steps shown below -or- press **RESET** button for 3-4 seconds, and then reprogram timer. Not necessary to set current time before programming events. If display is blank, press **MODE** button.
- Pressing **TIME** button again can continue setting day/hour/minute in same event
- Timer lets you program 7 events
- Make schedule of your programs before starting. Avoid programming overlaps that will cause timer to skip programming.

REVIEWING EVENTS PROGRAMMED:

In the current time display, press **PROG** button repeatedly to check your settings.

CLEARING (DELETING) AN EVENT:

- 1) Press **PROG** button as many times as necessary to locate the setting you want to clear.
- 2) Press and hold the **RESUME** button to clear the setting
- 3) When finished, keep pressing **PROG** button or hold **TIME** button more than 2 seconds to return display to current time.

OPERATING THE TIME SWITCH:

Press the **MODE** button repeatedly to set timer to AUTOMATIC, RANDOM or MANUAL mode

- Set **MODE** to AUTO for programs to run. AUTO shows in display.
- Set **MODE** to RANDOM when on vacation so timer operates lights in random pattern. RDM shows in display.
- Set **MODE** to MANUAL so timer turns ON-OFF when ON-OFF button is pushed. Display is blank.
- Do not set event programs within 30 minutes of each other if timer will be used in RDM mode. This will avoid overlaps.

OVERRIDING TIMER SETTINGS:

The ON/OFF button overrides current programmed event
 If timer is not in Manual mode, the timer will obey next programmed event. This allows user to turn light ON manually and timer will shut light back OFF at a preset time.

RESETTING THE TIMER:

In case of operational failure of the timer, press the **RESET** button to clear all the settings and restart