For NON-ASTRO Event Settings:
Press **MODE** to go to the first PGM screen. See Fig.9
Use **DAY, H+** and **M+** buttons to set the days, hours and specific times that you would like the timer to turn ON.
(NOTE: Be sure the word ON is displayed when setting the ON time.)

Press **NEXT ON/OFF** to program an OFF time.

Repeat the same steps for all 7 ON/OFF operations, if required.

For ASTRO Event Settings:
For automatic SNSET and SUNUP On/Off settings, press **DAY** to scroll through all the day options until SUNUP or SNSET is shown.

For ASTRO Event Settings:
For automatic SNSET and SUNUP On/Off settings, press **DAY** to scroll through all the day options until SUNUP or SNSET is shown.
SUNUP or SNSET can also be selected for specific days or groups of days by continuing to press **DAY** until the desired days are shown. SUNUP is always an OFF event and SNSET is always an ON event.

NOTE: When pressing **NEXT ON/OFF**, the words ON and OFF will alternate below and above the numbers 1 – 7. These are the seven possible ON and OFF settings. If you are setting the timer to turn ON and OFF only once per day, you would only need to program 1 ON and 1 OFF setting, with all seven days of the week displayed.

You have now completed EVENT settings.

Selecting AUTO, AUTO RANDOM or MANUAL OPERATION
Press **MODE**. The display will read the current time and AUTO. To change to AUTO RAND or MANUAL, press **MODE**.
-AUTO turns the timer ON and OFF according to your settings.
-AUTO RAND turns the timer ON and OFF with +/- 20 minutes of the programmed. This feature prevents your lights from turning ON and OFF at exactly the same time everyday, giving your home a "lived-in" look.
-MANUAL maintains the program in memory but does not turn the timer ON or OFF according to the program. To return to the program, press the MODE button until AUTO or AUTO RAND appears.

Congratulations! You have now completed setup of your EJ500.

Manual Override
There are two ways to override your EVENT settings:
        Open the control cover and press the **NEXT ON/OFF** button.
        Press the control cover.
The EVENT will be overridden until the next scheduled EVENT.

NOTE: It is suggested that the "air gap" switch not be used for daily ON/OFF switching. Continual use will speed up the depletion of the back-up batteries.

Replacing the Batteries
EJ500 uses two LR44/SR44 batteries. When the batteries are getting low, the display will show LoBAT. To remove the batteries, open the control cover and with the tip of a flat screwdriver, carefully pry the battery holder up. Replace the old batteries with fresh batteries, placing them in the battery holder as shown in the battery holder. See Fig 12. FIG 12 LINE ART BATTERY HOLDER). Firmly place the battery holder into the switch.
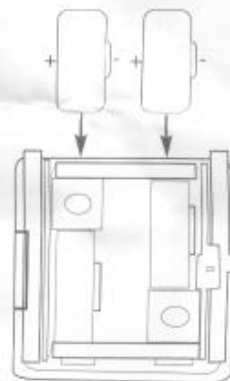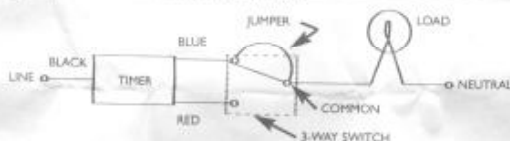
Fig. 9

Fig. 10

Other Installations

MULTISWITCH APPLICATIONS USING THE ELECTRONIC TIMER ARE WIRED DIFFERENTLY THAN WHEN USING CONVENTIONAL TOGGLE SWITCHES. READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

Multiple timers may be mounted in adjacent junction box slots.
No derating is required for multiple timers.

Wiring diagram, 2 switch installation (3-way):

NOTE: For new construction or to replace a dimmer switch, a lighted switch, or a 3-way switch without screw terminals, a single pole switch can be used at the remote location, as shown below.
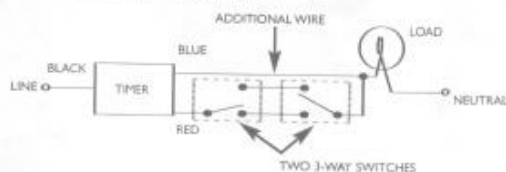
4 or more switch installation:

For 4 or more switch installations use the preceding 3 switch installation diagram and wire 4-way switches between the two 3-way switches.

Note: THE REMOTE SWITCH(ES) MAY NOT FUNCTION RELIABLY WHEN THE ACCUMULATED WIRE LENGTH TO THE REMOTE SWITCH(ES) EXCEEDS 100 FEET OR IF THE WIRING TO THE REMOTE SWITCH(ES) IS BURIED UNDERGROUND. Consult factory for details.

Note: Used remote switches from a previous conventional installation may not function reliably with an electronic timer. Try a brand new remote switch if function is intermittent.

Wiring diagram, 3 switch installation:

For 3 or more switch operation, AN ADDITIONAL WIRE MUST BE ADDED between the load and the timer. The jumper wire is not required for these applications.

For existing 3 switch installations replace one 3-way switch with the timer and replace the 4-way switch with a 3-way switch.