

## Glossary of Terms

**Astronomic Feature** – The EJ500 Wall Switch Timer with Astronomic Feature automatically compensates for changes in the length of daylight throughout the year. For example, the sunset in Chicago, IL varies from approximately 4:30 PM during December to approximately 9:00 PM during June. The EJ500 automatically adjusts for changes in daylight. **SET THE TIMER ONCE AND NO RESETTING, BECAUSE OF DAILY TIME CHANGES, IS REQUIRED.**

**Daylight Savings Time (DST)** – The EJ500 timer has an automatic Daylight Savings Time feature. The AUTO setting will adjust for daylight savings time changes. The MAN setting prevents automatic DST adjustments.

**Program Zone** – (See Fig 7) The Astronomic program divides the United States into 3 zones. The NORTH Zone refers to locations from Chicago, IL northward. The CENTRAL zone refers to locations between Chicago, IL and southern Missouri. The SOUTH zone refers to locations south of Missouri.

**SUNUP** – When using the Astronomic feature, the morning sunrise is automatically calculated by the timer. However, the exact sunrise setting can vary from area to area. The sunrise setting can be manually adjusted to match your exact sunrise time. Check your local newspaper or weather report for the exact sunrise time in your area.

**SUNSET** – When using the Astronomic feature, the evening sunset time is automatically calculated by the timer. The same adjustment that is used for SUNUP can be used for SUNSET.

## Programming and Operating Instructions

### Batteries

-EJ500 comes with two SR44/LR44 batteries

-To start the timer, pull the tab out from the bottom of the battery door (inside of the control cover). See Fig. 2.

### HELPFUL HINTS: PLEASE READ BEFORE SETTING THE CALENDAR OR CLOCK:

1. If you wish to skip a programming step, such as SUNUP and SUNSET settings, press the MODE button to pass any section of the program.
2. When you complete each step in setting the CALENDAR and ON/OFF times, press the NEXT On/Off button. The next selection will flash on the display. In order to stop the flashing and enter your selection, press the applicable function button(s) once, and then enter your selection.
3. By pressing and holding any button, the display will advance rapidly.
4. In order for the Astronomic Feature and automatic DST settings to function properly, the CALENDAR settings must be entered correctly.
5. In the event that the batteries are allowed to run down, or are removed for more than 15 seconds, the timer will maintain the year, month, day and all prior programming settings. If the batteries are replaced on the same day, only the time of day would have to be re-entered.

### Setting the Calendar

When the battery tab is pulled. The display will flash. See Figure 3

Press **MODE** to go to the Calendar (CAL) screen. See Fig 4.

Press **YEAR+** once to stop the display from flashing.

Press **YEAR+** until the correct year is displayed.

If you went past the proper year, press **YEAR-** to get to the correct year.

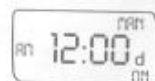


Fig. 3



Fig. 4

Press **NEXT ON/OFF** and the display will flash DATE.

Press **M+** (MONTH) or **DAY** button to stop the display from flashing. See Fig 5.

Press **M+** until the correct month is displayed.

Press **DAY** until the correct date is displayed.



Fig. 5

Press **NEXT ON/OFF** to see DST, AUTO flashing display. See Fig 6.

Press **DST** button once to stop the flashing. Press **DST** for AUTO or MANUAL selection (AUTO automatically will compensate for DST time changes; MANUAL requires a manual adjustment or no adjustment).

Press **NEXT ON/OFF** to see ZONE, CENTR flashing display. See Fig 7

Press **ZONE+** button once to stop the flashing. Press **ZONE+** to choose NORTH, CENTRAL, or SOUTH. SEE THE MAP TO FIND THE AREA OF THE COUNTRY WHERE YOU ARE LIVING.



Fig. 6



Fig. 6A



Fig. 7

Press **NEXT ON/OFF**. The display will flash between SUNUP and an AM time.

-If you wish to use the pre-programmed time setting, press **NEXT** to advance to the SUNSET (DISPLAYED AS SNET) setting.

-If you wish to adjust the calculated SUNUP setting, press **HOUR+** or **M+** button once to stop the display from flashing. Using a local newspaper or weather report to determine your exact SUNUP time, use **HOUR+** and **M+** to adjust the SUNUP time to the proper hour and minute of sunrise.

Press **NEXT ON/OFF** to go to the SNET setting. Follow the same directions as was used for SUNUP.

The CALENDAR settings are now complete.

### Setting the Time of Day

Press **MODE** to go to the Clock (CLK) settings. The display will flash with 12:00 AM.

Press **HOUR+** to stop the flashing.

Press **HOUR+** and **M+** to set the current time in hours and minutes.

Make sure that AM and PM settings are correct.

**Note:** The day of the week is shown at the bottom of the display. If you have not programmed the calendar settings, be sure to also set the current day of the week while programming the current time. To do this, press **DAY** until the correct day of the week is shown. The CLOCK settings are now complete.

### Programming ON/OFF Times

#### Note: Programming ON/OFF Times

-There are two ways to program the EJ500 timer:

- o You may program each desired ON/OFF setting by selecting specific times or
- o You may use the ASTRO SUNUP or SUNSET settings.

-In order to use the ASTRO features you must have already followed all previous instructions.

-The EJ500 timer has up to 7 ON and 7 OFF settings.

-Each ON or OFF setting may be programmed to occur on any specific day, all days of the week, weekdays only, or weekends only.



Fig. 2



Fig. 8