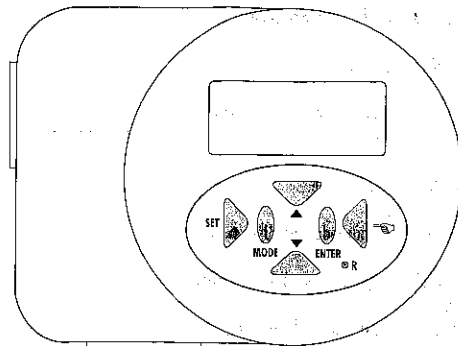


PROGRAMMING INSTRUCTIONS

457Z



RATINGS

- 125V 15A 1875W General Purpose
- 125V 15A 1875W Resistive
- 125V 1000W Tungsten

PLEASE READ ALL INSTRUCTIONS FIRST

1.0 INSTALLATION INSTRUCTION

- Plug the timer into a 120VAC receptacle. If you charge battery overnight, the unit can be removed and programmed without AC power.
- Press the R (RESET) button by using an insulated tool.
- Press the ENTER to start the timer.

2.0 SET TIME AND DATE (CALD)

- Press the MODE button two times to display "CALD" flashing.
- Press the ENTER button to start current time setting mode.
- Using ▲ ▼ buttons change year, then press SET button.
- Continue to using ▲ ▼ and SET button to enter current month, date, hour, minutes, and seconds.
- Press the ENTER button to save the current time setting and return to clock mode.

3.0 SET SCHEDULE

- Press the MODE button to display "PROG" flashing.
- Press the ENTER button to display "PROG 1 ON". This is the first of 20 ON/OFF pairs. For first ON program, press SET. To go to other programs, press ▲ ▼.

3.1 SELECT DAYS

- All days are flashing. Use ▲ ▼ to choose a different set of days, then press SET.

3.2 SET ON

- Use ▲ ▼ to choose:
 - a) "TIME" for a program with user set times
 - b) "SNUP" for a timer calculated sunrise time that will change daily throughout the year.
 - c) "SNST" for a timer calculated sunset time that will change daily throughout the year.
- Then press SET. If "TIME" selected: Use ▲ ▼ buttons to change hour, then press SET button. Repeat for minutes.

3.3 SET OFF

- "PROG 1 OFF" is flashing on display. Press SET.
- All days are flashing. Use ▲ ▼ to choose a different set of days, then press SET.
- Use ▲ ▼ to choose:
 - a) "TIME" for a program with user set times,
 - b) "SNUP" for a timer calculated sunrise time that will change daily throughout the year.
 - c) "SNST" for a timer calculated sunset time that will change daily throughout the year.
- Then press SET. If "TIME" selected: Use ▲ ▼ buttons to change hour, then press SET button. Repeat for minutes. Press SET.
- Repeat steps for a total 20 ON and 20 OFF time settings.
- Press the ENTER button to finish programming set and return to clock mode.

4.0 OPTIONAL SUNSET/SUNRISE TIME ZONES

- Press the MODE button three times to display "ZONE" flashing.
- Press the ENTER button to start Zone setting mode.
- Use the ▲ ▼ keys to display the correct zone.

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NOTE: NUSA (Default) = North USA, CUSA = Center USA, SUSA = South USA, ALAS = Alaska&Northern Canada, HAWI = Hawaii&Puerto Rico.

- Press the ENTER button to save the setting and return to clock mode.

5.0 OPTIONAL SUNSET/SUNRISE OFFSET

NOTE: This mode displays calculated sunset/sunrise. You can change to turn ON/OFF earlier or later with this mode.

- Press the MODE button four times to display "SUN±" flashing.
- Press the ENTER button to start offset mode.
- Screen displays today's SNUP (sun up) time flashing. Use ▲ or ▼ to change default time.
- Press SET and screen displays today's SNST (sunset) time flashing. Use ▲ ▼ to change default time.
- Press ENTER to complete the setting and back to normal clock mode.

6.0 OPTIONAL CHANGE DAYLIGHT SAVINGS TIME (DST)

NOTE: Skip this step for default daylight savings dates. Follow instructions below only if you need to remove or change. MANU (Manual Mode) — no DST change by timer. NEW mode - change dates to something other than default dates.

- Press the MODE button five times to display "DST" flashing.
- Press the ENTER button to choose daylight savings times.
- Use the ▲ ▼ to choose daylight savings options.
 - a) The display shows "INIT". For timer to follow current U.S. DST dates, press ENTER.
 - b) The display shows "MANU". For no DST adjustment, press ENTER.
 - c) The display shows "NEW". For modified DST dates, consult technical support phone line.

7.0 COUNTDOWN TIME SETTING

NOTE: Countdown mode will postpone the manual off for a preset period. As an example, press button to turn off lights and timer will wait five minutes before load is shut down. This will give you time to exit the room.

- Press the MODE button to display "PROG" flashing.
- Press the ENTER button to display "PROG 1 ON".
- Press the ▼ once to bring the Countdown time setting.
- Press SET for the Countdown (dL) screen.
- Press ▲ ▼ to choose length of time.
- Press ENTER to complete the setting and back to normal clock mode.

8.0 RANDOM ON/OFF TIME

- Pressed key SET & ▲ simultaneously to set the Random function. Display shows "RND".
- To Cancel Random function simply repeat above procedure. The "RND" sign will disappear from display.

9.0 OVERRIDE BUTTON FUNCTIONS ()

- Press one time to turn timer ON or OFF.

10.0 ACTIVATE COUNTDOWN

NOTE: To activate Countdown step 7 must be completed and the timer in the ON position.

- Press button

ONE YEAR LIMITED WARRANTY: If this product fails because of a manufacturing defect within one year after purchase, we will, at our option, either repair or replace it at no charge. Our warranty does not cover damage caused by accident, abuse or misuse. We assume no further liability with respect to the sale or use of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY. We make no warranty with respect to the fitness of any goods for the users particular application. This warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

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