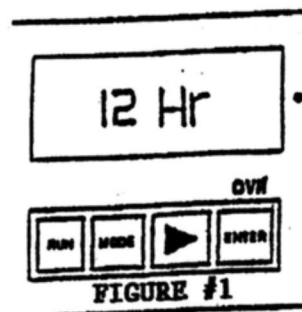# EC1015 SINGLE-CHANNEL
ELECTRONIC TIME CONTROL

APPLICATION EXAMPLE:

You want to operate your "Automatic Insect Control System" every day of the week four times per day at 8:00 AM, 11:00 AM, 2:00 PM, and 5;00 PM. The electric pump is to begin spraying the insecticide at these times for a time period of one minute and automatically shut off. **1 minute is normal duration.**

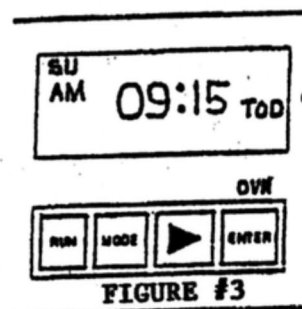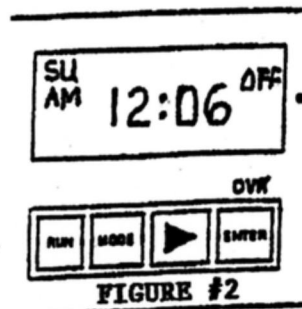You would then program the EC1015 control as follows after you have powered-up the unit.

STEP 1: Select 12 Hour (AM/PM) Format by Displaying on Screen "12 Hr." (See Figure #1)

- NOTE: The ▷ button changes the screen from 12 hr. to 24 hr. and back to 12 hr., etc.

- Press **ENTER** button.

- Unit will then advance to the run mode. (See Figure #2)

FIGURE #1

STEP 2: Set Clock to Correct Time and Day of Week

- Press **MODE** button and AM or PM + hour data will start blinking and TOD appears on screen. (See Figure #3)

- Press ▷ until correct AM or PM + Hour is displayed on screen.

- Press **ENTER** button.

- Minutes starts blinking.

FIGURE #2

- Press ▷ until correct minutes are displayed on screen.

- Press **ENTER** button.

- Day of week starts blinking.

FIGURE #3

- Press ▷ until correct day is displayed on screen.

- Press **ENTER** button.

- The unit returns to the first entry instruction and the AM or PM + hour data will start blinking. This completes the programming of clock and day of week data.

STEP 3: Selecting Day or Days to be Skipped

- In this application we want to spray insecticide every day of the week.

- Press MODE button to see skip screen. (See Figure #4)

- Press MODE to bypass skip-a-day feature and to advance to event programming to set the time to spray and how long to spray (duration).
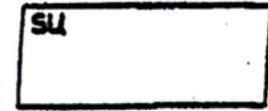
STEP 4: Setting Spray Times and Length of Spray (Duration)

- NOTE: There are 4 event symbols that can appear on the right side of the LCD screen for each event.
  - BLANK indicates no action.
  - ON indicates pump start time and will remain ON and will not turn OFF until an OFF command is programmed into timer. Do not use ON or OFF commands to program your Insect Control system.
  - OFF indicates the shut-off time of the pump. Do not use OFF commands to program the system.
  - DUR indicates that the pump will start at the programmed time and will shut off after the programmed duration time. Minimum duration is 1 second; maximum is 3 minutes and 59 seconds. Refer to Step #5 for setting of pump/spray time duration.

- Press and hold down ▷ button until we see figure #5 (8;00 AM) on screen.
  (NOTE: Unit advances in 4 min. increments.)

- Press ENTER button until we see "DUR" appear on screen. The duration time will be programmed later.

- Press ▷ button until we see figure #6 (11:00 AM) on screen.

- Press ENTER button, until we see "DUR" appear on screen.

- Press ▷ button until we see figure #7 (2:00 PM) on screen.

- Press ENTER button until we see "DUR" appear on screen.

- Press ▷ button until we see figure #8 (5:00 PM) on screen.

- Press ENTER button until we see "DUR" appear on screen.

- NOTE: To review pump spray times entered, press and hold down ▷ key. The unit will stop automatically on times where an event (DUR) is scheduled.

- This completes the programming of the time-of-day when spraying starts. We now need to set the length of time the pump will operate.
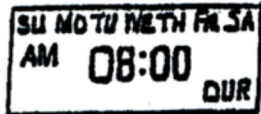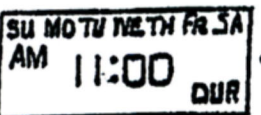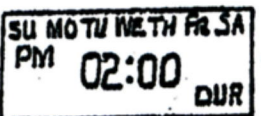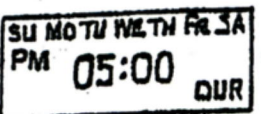

FIGURE #4.

FIGURE #5

FIGURE #6

FIGURE #7

FIGURE #8

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STEP 5: Setting Pump/Spray Time Duration

- Press MODE button. (The screen shows 0:01 DUR.)
  (See Figure #9)

- Press and hold ▷ to enter 1 minute spray time duration.
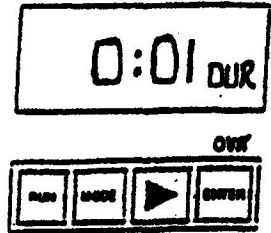 (The screen should show 1:00 DUR.)
  (See Figure #10)

STEP 6: Return Control to Operation

- Press RUN button to start the control in the run
  condition.

- NOTE: You must return timer to the RUN mode. The
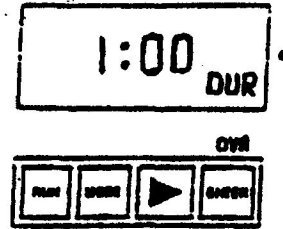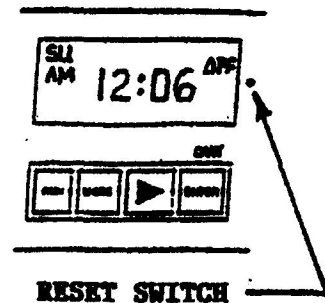 timer will control the load only when in the RUN status.

END OF PROGRAMMING

SPECIAL PROGRAMMING INSTRUCTIONS/OPERATION NOTES

- To delete/cancel an existing start time to spray and unit is in RUN
  mode (example: 8:00 AM to be canceled):

a. Press MODE 3 times.

b. Press and hold down ▷ to advance to the start of spray time to be
   deleted. (See Figure #5)

c. Press ENTER button until DUR disappears and the LCD screen is blank.
   (No action)

d. Press RUN button to return control to operational status.

- To add new start time to spray, see Step #4 of the programming
  instructions.

- You must return the timer to the RUN mode by pressing RUN button.
  The timer will control the pump only in the RUN status.

NOTE: This is an application programming example. Please refer to General Instructions Sheet, Form
      No. 949520, for the complete programming instructions and specifications for model EC1015.

- If you are not sure that the unit has been properly programmed,
  depress the reset switch to the right of the display with a small
  pointed object. This will clear all control memory and you will
  have to start again from Step #1. The reset switch is recessed
  to avoid accidental clearing of time programmed memory.