

## **CHANGING OMRON PLC EXT TIMER VALUES**

May 11, 2005

This instruction covers changing of the factory default timer settings for EXT Engine Exercise Timer feature provided in the Omron ZEN PLC.

### **The factory default values are (these values are also noted on the drawings):**

- Weekly Exercise Timer “@0” set at: on WE 8:00, off WE 8:02
- Week Counter – “C0” set at 1 week
- Exercise Mode Disabled

Access to these timers is achieved via the push buttons on the face of the ZEN relay.



The OMRON PLC display screen will typically display “RUN” Status and Input / Output Status (active functions denoted with a solid block). Pressing  will clear the display and allow the operator to view status messages and timer values.

### **Operation:**

















The EXT Timer utilizes two (2) functions within the ZEN relay. “@0” is the weekly timer to set the day and time for the exercise. “C0” is a counter to set the desired weekly interval between tests.

NOTE: Setting the same ON/OFF time for the exercise timer will cause the function to run for the full 24hour period
















### **Setup Instructions:**

1. Set Clock Function as per below
2. Press  until display is blank
3. Press  to select EXT mode (Enable/Disable)
4. Remove Jumper between L1 & I5 to Lock operating mode and provide security
5. Set parameters as per below.
























### **To set Clock Function:**

1. Press  this will access the Menu selections
2. Press  until “SET CLOCK” Flashes
3. Press , “SET CLOCK” flashes. Press . Press .
4. Press , ,  or  to set the date and time.
5. Press  to set time, Press  to Confirm or  to cancel.
6. If no further changes are required Press  twice to exit programming menu, ensure the PLC is in the RUN mode, this will be displayed on the face of the display. If STOP is displayed Press  once, cursor down to RUN, Press  (STOP should now be flashing). Press  once, display should now indicate RUN
7. See below for Daylight Savings Setup.

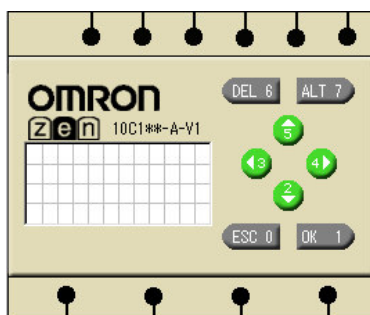
## To set Daylight Savings:

1. Press  this will access the Menu selections
2. Press  until "SET CLOCK" Flashes
3. Press , "SET CLOCK" flashes. Press . "SUMMER TIME" Flashes. Press .  
Press .
4. Press  or  to set Daylight function:  
US TYPE – First Sunday in April to last Sunday in October  
EU TYPE – Last Sunday in March to last Sunday in October  
MANUAL – Moves clock forward 1 hour  
CANCEL – Remove Summertime settings
5. Press , Press  to Confirm or  to cancel.
6. If no further changes are required Press  twice to exit programming menu, ensure the PLC is in the RUN mode, this will be displayed on the face of the display. If STOP is displayed Press  once, cursor down to RUN, Press  (STOP should now be flashing). Press  once, display should now indicate RUN

## To access the timers to be modified, follow these steps:

1. Press  this will access the Menu selections
2. Press  until "PARAMETER" Flashes
3. Press , "T0" (0 flashing) Press  and solid flashing block changes to flashing "0"
4. Press  or  "T" flashing.
5. Press  or  to select the applicable function to be modified.
6. Press  to select this function
7. Press  or , this will move the flashing cursor between the selected timer and the timer value. When on the timer value Press 
8. Press  or  to change this flashing value or use  or  to move to a different digit. Once the desired value(s) has been applied Press  to accept the new value
9. If other timers are to be changed Press  or  to return to the timer selection and repeat steps 3 thru 9.
10. If no further changes are required Press  twice to exit programming menu, ensure the PLC is in the RUN mode, this will be displayed on the face of the display. If STOP is displayed Press  once, cursor down to RUN, Press  (STOP should now be flashing). Press  once, display should now indicate RUN

**For further technical assistance please contact the factory at 1-888-888-0110.**



**Please have your panel serial number available; this can be located on the door mounted UL/CSA label or on the electrical schematic provided with the equipment.**