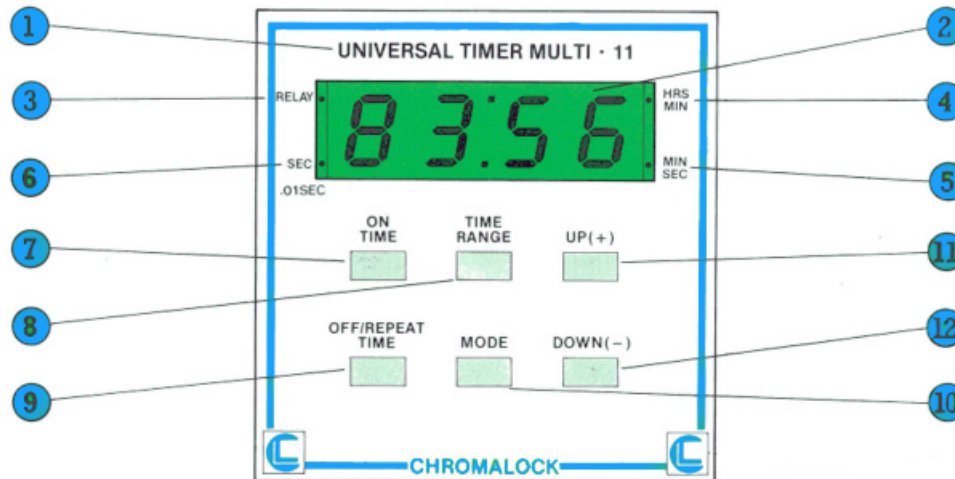




OPERATIONAL FEATURES



N Normal Mode: After power supply is on, timer controller is in normal operating mode. To view ON time, time range, OFF time or mode, press 7, 8, 9 or 10 buttons respectively. Note timer continues its operation while various set points are viewed or set up.

- 1) Model name and number: Multi-8 is 8 pin version and Multi-11 is 11 pin version
- 2) High visibility 4 digit green L.E.D. display shows set time (shows function settings when programming)
- 3) L.E.D. indicates output relay is energised
- 4) L.E.D. indicates time displayed is in hours and minutes (Note central colons illuminates)
- 5) L.E.D. indicates time displayed is in minutes and seconds (Note central colons illuminates)
- 6) L.E.D. indicates time displayed is in seconds, tenths of seconds and hundredths of seconds. (Also central colon illuminates)
- 7) ON TIME button is used to read or set on time as described in **N** and **S** modes
- 8) TIME RANGE button is used to read or set the time range selection i.e. HRS/MIN, MIN/SEC, SEC/0.01 SEC as described in **N** or **S** modes
- 9) OFF/REPEAT TIME button is used to read or set off or repeat times as described in **N** or **S** modes. Note when setting OFF time, relay indicator is off and when setting REPEAT time, relay indicator is on (setting OFF or Repeat times are alternating functions)
- 10) MODE button is used to select available modes, as described in **N** and **S** modes
- 11) UP button is used to increment settings as described in **N** or **S** modes
- 12) DOWN button is used to decrement settings as described in **N** or **S** modes

S Set Up Mode: In order to enter setting up procedure, press UP 11 or DOWN 12 button and one other function button to display last setting, then use 11 or 12 to change setting. When desired setting

is reached, use the following method to exit to normal mode:

- (a) Press buttons 7 and 8 simultaneously to store new setting in permanent memory
- (b) Press buttons 9 and 10 simultaneously or wait for short delay to store new settings in temporary memory

MODE IDENTIFIER

- 1) **D.O.** DELAY ON: Relay operates after pre-set time period
- 2) **D.I.** DELAY INTERVAL: Relay operates immediately for pre-set time period
- 3) **C.T.A.** CYCLIC TIMER: Relay continuously cycles "OFF" and "ON" for pre-set time period
- 4) **C.T.B.** CYCLIC TIMER: Relay continuously cycles "ON" and "OFF" for pre-set time period
- 5) **P.C.T.A.** PROGRAMMABLE CYCLIC TIMER: For Multi attempt start up applications. Relay cycles "OFF" then "ON" for up to 9999 attempts (REPEAT TIME)
- 6) **P.C.T.B.** PROGRAMMABLE CYCLIC TIMER: Relay cycles "ON" then "OFF" for up to 9999 attempts (REPEAT TIME)
- 7) **D.R.** DELAY TO RELEASE (11 pin only): Relay operates when external start contact is closed, timing commences when start contact opens. If start contact is closed again, timing returns to zero, relay state is unchanged. At the end of the pre-set time, relay operates
- 8) **D.I.L.** DELAY INTERVAL LATCHED (11 pin only): Relay immediately operates for pre-set time period after external start contact is closed. Timer resets after pre-set time period if start contact is open

CAUTION

This unit utilizes the latest switch mode design of power supply, consequently the **Input Terminals** 9,11 are not isolated from the power supply terminals

It is imperative therefore that you:-

- (a) Take every care to prevent contact with the **Input Terminals**
 - (b) Ensure that any device connected to the **Input Terminals** has
 - (c) adequate insulation in relation to the power supply voltage
- Ensure an isolating transformer is used when connecting external electronic switching devices to the **Input Terminals**

OFFLINE SETTINGS Press ON TIME button, battery will provide power to display for short duration to allow change or review of settings.