



OPERATING INSTRUCTIONS

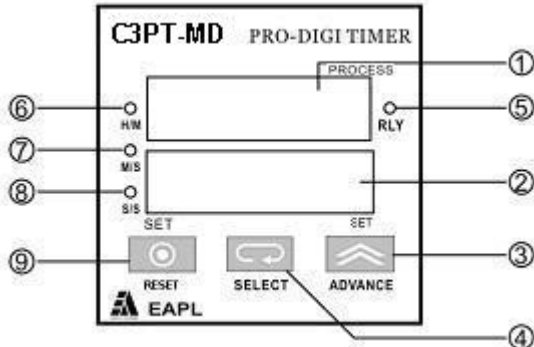
Model : C3PT - MD

OPI No. : OPI/125

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DATE : 30/05/2009

Front panel layout:



1. **PROCESS:** Displays the process value.
2. **SET:** Displays the set value.
3. **ADVANCE :** Select time range and increment set values
4. **SELECT:** Programming Switches
5. **RELAY LED:** Indicates the relay status when the relay changeover takes place.
6. **H/M LED:** Hour/Minute selection
7. **M/S LED:** Minute/Second selection
8. **S/S LED:** Second/Second Selection
9. **RESET:** To reset the timer

Terminal Details

1	2	3	4	5	6
7	8	9	10	11	12

- 5,6 Source
- 2,4 Short – Hold Open –Restart
- 2,3 Short-PGM Enable Open –PGM Disable
- 1,2 Start/Reset
- 7,8,9 NO,NC,C - Instant Contact
(in case of 1 relay selected during programming else Delayed Contact)
- 10,11,12 NO,NC,C - Delayed Contact

C3PT-MD is a Programmable Digital multifunction timer (On-Delay, Interval & Cyclic adjustable) DOWN counting with optional to program either one relay as instant contact and other one as delayed/interval/cyclic contact or Both relay as delayed/instant/cyclic having range from 100mSecs to 99hrs 59mins and having a universal voltage of 85V to 270 VAC/DC.

How to Program:

- Short terminals 2 & 3 to make the timer program enable.
- Apply Source voltage to terminal 5 & 6.
- Press the Select button on the front panel, the PROCESS display shows Strt and SET display shows noSt.
- By pressing ADVANCE Button the user can program either for PLSE – Pulse or Cont – Continuous or noST-no start start signals.

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- After selecting start signal, Press SELECT once again, the PROCESS Display shows the FUNC and the set display shows the previous selected functions(Odly – On-Delay, Int – Interval or Cycl - Cyclic adjustable)
- By pressing ADVANCE Button you can select the required function.
- After selecting the required function, Press SELECT once again
- Process Display shows “rLY” and Set Display shows previous programmed relay change over.
- By pressing ADVANCE Button you can change to 1-CO relay or 2-CO relay (if you make 1-CO relay the terminals 7-8-9 will be Instant contact and terminal 10-11-12 will be delayed/interval/cyclic contact and if it is 2-CO relay both the relay contacts will be either delayed/interval/cyclic based on function selected during programming.
- Once rly programming is done press SELECT, If function is programmed for On-Delay or Interval the process display Shows “rng” and SET Display shows blank now by pressing ADVANCE button you can select either H/M –Hour/Minutes or M/S-Minutes/Seconds or S/S – Seconds/Seconds.
- If function is programmed for Cyclic the process display shows ON and the Set Display shows rng, the user can press advance button to set the H/M or M/S or S/S range once range is selected.
- Press SELECT button the PROCESS Display shows “On” and SET value shows previous set value, by using SELECT and ADVANCE button you can set the required value.
- Press Select again the process display shows OFF and the Set Display shows rng, the user can press advance button to set the H/M or M/S or S/S range once range is selected
- Press SELECT button the PROCESS Display shows “OFF” and SET value shows previous set value, by using SELECT and ADVANCE button you can set the required value.
- Press SELECT button and now the unit is ready for required functional operation..
- Remove terminals 2 & 3 to lock the program saved.

Special Instruction:

- **Hold:** When the timer is in operation and upon failure of power, the timer retains the data and executes the balance on resumption of power.

Note:

- **If the source voltage shoots beyond the prescribed voltage, the units will be damaged beyond repairs. Suitable protection should be taken care off.**
- **The Load current of the control output should be within the rated specified, else use contactor.**
- **Please ensure proper wiring at input and output terminals.**
- **Terminals screws are tightened fully to required level for proper contact.**
- **The enduser is required to study and decide the product to suit its application and environment. The company does not accept any consequential liabilities arising out of use of this product.**
- **Specification are subject to change as development is a continuous process**