



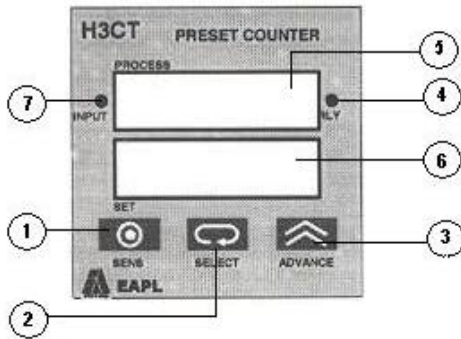
OPERATING INSTRUCTIONS
Model : H3CT (Preset Counter)

OPI No. : OPI/059

PAGE : 1 of 3

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Front panel layout:



1. **SENSITIVITY**: Used to vary the sensitivity from 1 to 100 Hz.
2. **SELECT**: }
3. **ADVANCE**: } Used for programming
4. **RELAY LED**: Indicates the relay status when the relay changeover takes place.
5. **PROCESS**: Displays Process value.
6. **SET**: Displays Set value.
7. **INPUT**: indicates the input status sensing.

Terminal Details

- SOURCE 85V-270 VAC, 50/60Hz.
- CONTACTS 5A @ 240 V AC/28V DC
- 5,6 SOURCE
- 3,4 RESET
- 7,8 C, NO

Proximity Connection

For limit switch connect between 2 & 3
No.3 terminal is common for sensing and reset functions.

Sensor Input (NPN)

- 1 +12V DC
- 2 OUTPUT
- 3 GROUND

H3CT is a preset Production Counter with in-built HOLD facility during power failure and accepts inputs from Proximity sensor or limit switch.

Function:

- Connect the sensor input terminals and apply rated voltage to the source terminals, the unit resumes its previous condition.
- To start counting from '0000' apply reset signal, else counter will continue counting from the previous value.
- Set required count using "SELECT" & "ADVANCE" buttons. The Process display shows "0000" and Set display shows the set counts.
- Using SENS & ADVANCE button the sensitivity can be varied from 1-100 Hz.
- As the input signal is received through the sensor the unit starts counting when process count reaches set count, the output relay changes over and remains in this state till the Reset signal is applied.

Special Instruction:

- To reset the counter short 3 and 4 for at least 500ms and release.
- During programming the counter resets to "0000" and starts to count freshly to the new set count.

- During Sensitivity selection the process value is retained as it is, although the unit will not count
Any signal during this mode.
- Once Process Value reaches the Set value relay comes ON and further counting in display stops even though sensor provides the counting signal.

How to program:

Example with Counts = 9999
SENSITIVITY =100



- Press SELECT once
- Process display shows PROG & set display shows previous set value with flashing most significant digit.



- Press ADVANCE till display shows 9.



- Press SELECT again, 2nd digit starts Flashing.



- Press ADVANCE till display shows 9



- Press SELECT again, 3rd digit starts flashing



- Press ADVANCE till display shows 9.



•Press SELECT again, 4th digit starts flashing.



•Press ADVANCE till display shows 9.



•Press SELECT again, the SET value is saved in memory the PROCESS value is displayed as 0000, now the counter is ready for operation.

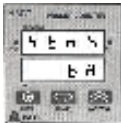


Sensitivity Setting:



•Press SENS once

•Process display shows SENS & set display shows previous sensitivity value



•Press ADVANCE till the display shows 100



•Press SENS once again to go back to Run mode.

•Same procedure shall be followed for different counts and sensitivity values.

•During "Sensitivity setting" if the advance button is pressed continuously, the display runs faster in order to facilitate faster setting.