OP3097-V01

selec

XC410C
Operating Instructions



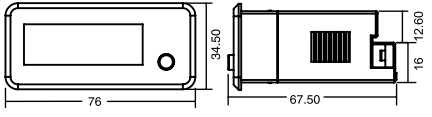
36 X 72mm

SPECIFICATIONS

Display	6 digit, 0.36" White 7 segment LED
Supply voltage	90 to 270V AC/ DC @50/60 Hz
Time range	**Counter :** 999999 counts
Sensor Supply	12VDC@30mA (use external supply if current>30mA)
Input	**Counter :** 5 to 30V DC from Proximity switches, Encoders, Potential free contacts, Limit switches etc.
Input Speed	Slow Speed :- 20Hz High Speed :- 5 kHz
Memory retention	10 years
Housing	Flame retardant plastic.
Mounting	Panel mounting.
Temperature	Operating : 0 to 50°C Storage : -20 to 75°C
Humidity	95% RH (non-condensing)
Weight	85 gms
Power consumtiom	5VA max @270V AC/DC

MECHANICAL INSTALLATION

Panel cutout : 29mm x 71mm



SAFETY PRECAUTIONS

Please maintain these instructions and review them prior to using the unit :

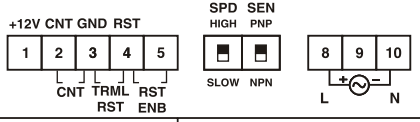
⚠ WARNING

1.This unit is panel mounted type with its output terminals connecting to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like IEC 61326-1 and IEC 61010 respectively.
2.To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.

⚠ CAUTION

1.This unit is not intended for outdoor use.
2.The power connection cable must have a cross-section of at least 1sq.mm and insulation capacity of at least 1.5kV.
3.The output connections must not be loaded beyond the specified values/ range.
4.Avoid in flow of dust and contact of conductive material with the internal circuitry of the unit.
5.The unit must not operate in presence of heating sources,caustic vapors,oil,steam, vibration or impact etc.
6. Use clean moist cloth soaked in water for cleaning. Avoid entry of water into the circuitry through the ventilation holes.

TERMINAL CONNECTIONS



TERMINALS	DESCRIPTION
1	+12V
2 - 3	Count
3 - 4	Terminal Reset
4 - 5	Front Reset Enable
8	L-Live (+)
10	N-Neutral (-)

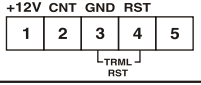
DIP SWITCH SETTING

DIP SWITCH	OFF	ON
DIP 1	High speed	Slow speed
DIP 2	PNP Sensor	NPN Sensor

RESET METHOD

By front key : Short terminals 4 & 5 to enable front panel reset. Press RST key ● momentarily

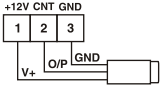
By terminals :



TYPICAL APPLICATION

CASE1: Operated by external contact.
1) A PNP/NPN proximity sensor can be used instead of switch.(NPN/ PNP can selected through DIP SW)
2) Connect proximity switch between terminals 1,2 & 3.
3) The count displayed on XC410C will be indicative count(Sensed by Sensor).
(**Sensor color codes :-**
Red = +12V, Green = CNT, Black = GND
Brown = +12V, Black = CNT, Blue = GND)

NPN / PNP Sensor :



CASE2: Operated only by Potential free contact

Potential free contact :



Note 1 :- Sensor selection (PNP/NPN) is detected only at Power ON .
Note 2 :- Potential free count will work only during NPN selection.

(Specifications are subject to change, since development is a continuous process)

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