OPERATING INSTRUCTIONS : OP INST XC410A-1-230 OP508-V01

OP508-V01

selec
XC410A-1-230
Operating Instructions

XC410

000410

36x72mm

SPECIFICATIONS

Display	6 digit, 0.3" height, Red 7 seg LED
Inputs	3 to 30V DC from Proximity switches, Encoders, Potential free contacts, Limit switches etc.
Input Speed (Selectable)	1. 20Hz (Terminal nos. 7 & 8 shorted) 2. 1kHz (Terminal nos. 7 & 8 open)
Sensor Supply	12VDC@30mA Min 10V with full load Max 16V with no load
Reset	1. On front panel (selectable) 2. Remote reset (via rear terminals)
Memory retention	10 years
Supply voltage	230V AC (±10%)
Housing	Flame retardant plastic.
Mounting	Panel mounting.
Temperature	Operating : 0 - 50℃ Storage : -20 - 75℃
Humidity	95% RH
Weight	140gms

SAFETY PRECAUTIONS

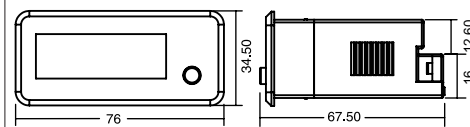**Please maintain these instructions and review them prior to using the unit :**

⚠ 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 BSEN 61326-1 and BSEN 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.
3. External fuse with a rating of 275V AC/1A is recommended.

⚠ 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 inflow 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
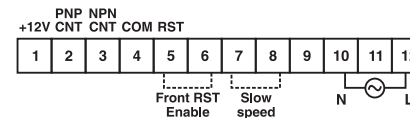
MECHANICAL INSTALLATION

Panel cutout : 29mm x 71mm

34.50

76

12.60

16

67.50

TERMINAL CONNECTIONS

PNP NPN
+12V CNT CNT COM RST

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

Front RST Enable   Slow speed   N   L

NOTE : Remove jumper between 7 & 8 for high speed upto 1kHz

1	+12V sensor supply
2	PNP Count Input
3	NPN Count Input
4	COM
5	Reset Input
5 - 6	Short for front panel reset enable
7 - 8	Short for slow speed upto 20Hz
10 - 12	Neutral(-) - Live(+)

Resetting the XC410 :
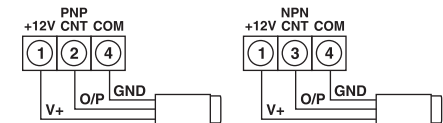**By front key :** Short terminals 5 & 6 to enable front panel reset. Press RST key momentarily.

Remote reset :
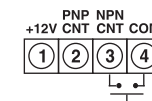
PNP NPN
+12V CNT CNT COM RST
1 2 3 4 5
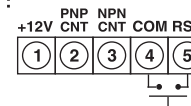
Input connections :
(**Sensor color codes :** Red = +12V; Green = CNT; Black = GND ; Brown = +12V; Black = CNT; Blue = GND)

NPN / PNP Sensor :

PNP
+12V CNT COM
1 2 4
V+   O/P GND

NPN
+12V CNT COM
1 3 4
V+   O/P GND

Potential free contact :

PNP NPN
+12V CNT CNT COM
1 2 3 4

NOTE : The above connection is valid when selection is NPN.

(Specifications subject to change as development is a continuous process.)

Prepared By		Checked By		Sales Engg. By		Markting Engg. By		Approval By	