

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

OP508-V01

### XC410A-1-230 Operating Instructions



36x72mm

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

### SAFETY PRECAUTIONS

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

#### ⚠ WARNING

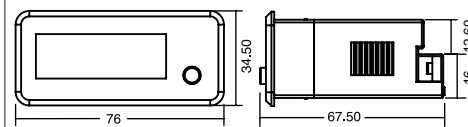
- This unit is panel mounted type with its output terminals connecting to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BSEN 61326-1 and BSEN 61010 respectively.
- To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.
- External fuse with a rating of 275V AC/1A is recommended.

#### ⚠ CAUTION

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

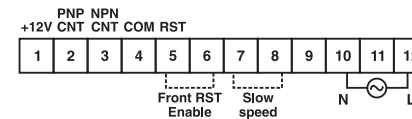
### MECHANICAL INSTALLATION

Panel cutout : 29mm x 71mm



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### TERMINAL CONNECTIONS



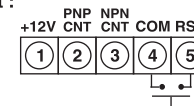
NOTE : Remove jumper between 7 & 8 for high speed upto 1kHz

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.

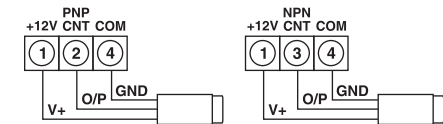
#### Remote reset :



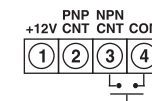
#### Input connections :

(Sensor color codes : Red = +12V; Green = CNT; Black = GND; Brown = +12V; Black = CNT; Blue = GND)

#### NPN / PNP Sensor :



#### Potential free contact :



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

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

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