

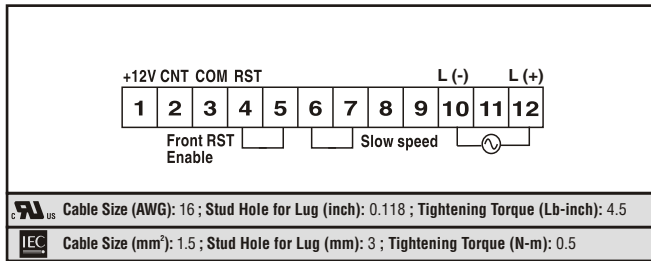


CE  E253771
36mm x 72mm

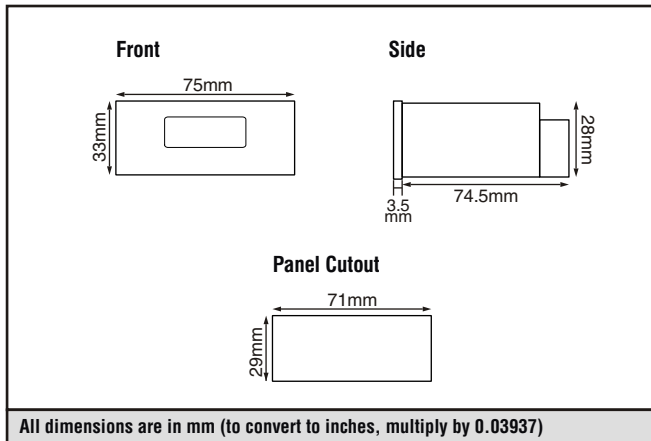
ORDERING INFORMATION

Part No.	Supply Voltage
XC410	90 to 270 V AC/DC
XC410-24	24V AC/DC

TERMINAL CONNECTIONS



DIMENSIONS



FEATURES

- 6 Digit, 7 Segment LED Totaliser
- Compact Size
- Inbuilt Sensor Supply

TECHNICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Sensor Type	NPN / PNP
Input Type	Voltage pulse (3 to 30V DC) from Proximity switches, Solid state devices, Potential free contact encoder
Input Speed	a) 0 to 20Hz b) 0 to 1kHz
Reset	Front, Remote

FUNCTIONAL SPECIFICATIONS

Range	999999 counts
Counting Direction	Up
Memory Retention	Yes

OUTPUT SPECIFICATIONS

Sensor Supply	Inbuilt, 12V DC, 30mA
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GENERAL SPECIFICATIONS

Supply Voltage	90 to 270V AC/DC (50 / 60Hz) 24V AC/DC (50 / 60Hz) -15% to 10% tolerance
Power Consumption	5VA max
Temperature	Operating: 0 to 50°C (32 to 122°F) Storage: -20 to 75°C (-4 to 167°F)
Humidity (non-condensing)	95% RH
Weight	110 g (0.242 lbs)
Protection Level	IP65 for faceplate

XC410 OPERATING INSTRUCTIONS



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 275VAC/1A is recommended.

Caution:

1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of atleast 1sq.mm and insulation capacity of atleast 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.

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

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Operating/0804/XC410/Ver 05

OP033(U1.1)-V05

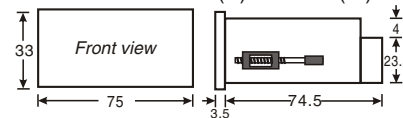
5. The unit must not operate in presence of heating sources, caustic vapors, oil, steam, vibration or impact etc.
6. Use clean moist cloth soaked in water for cleaning. Avoid entry of water into the circuitry through the ventilation holes.

Specifications:

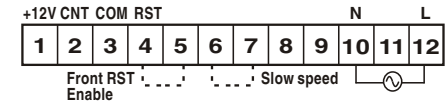
- **Display:** 6 digit, 0.3" height, red 7 seg LED.
- **Inputs:** 3 to 30VDC from Proximity switches, Encoders, Potential free contacts, Limit switches etc..
- **Input Speed:** (Selectable)
 1. 20Hz (terminal nos. 6 & 7 shorted)
 2. 1kHz (terminal nos. 6 & 7 open).
- **Sensor Supply:** 12VDC@30mA ($\pm 10\%$), short ckt protected.
- **Reset:**
 1. On front panel (selectable).
 2. Remote reset (via rear terminals).
- **Memory retention:** 10 years.
- **Supply voltage:** 90 to 270V AC/DC..
- **Housing:** Flame retardant plastic.
- **Mounting:** Panel mounting.
- **Temperature:** Operating: 0 - 50°C, Storage: -20 - 75°C.
- **Humidity:** 95 % RH.
- **Weight:** approx. 90gms.

Dimensions (in mm):

Panel cutout : 29mm (H) x 71mm (W)



Terminal connections:



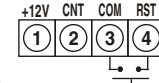
Note: - Remove jumper between 6 and 7 for high speed upto 1kHz

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

Resetting the XC410:

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

Remote reset:



Input connections:

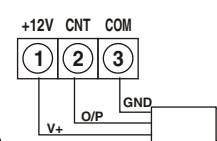
(Sensor color codes:- Red = +12V, Green = CNT, Blk = GND; Brown = +12V, Blk = CNT, Blue = GND)

Selection for Input sensor:

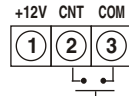
INPUT SENSOR	JUMPER SELECTION
PNP	
NPN / Potential free contact	

Jumpers are located towards the right side of the unit. Given above is the Front view of jumpers with housing removed and display towards the left.

NPN / PNP Sensor:



Potential free contact:



Note : The above connection is valid when selection is NPN