XC1200

Programmable / Preset Counter

48 x 96mm

Features :

- 6 digits Counter, 5 digits RPM Indicator
- LED Indications : Relay1, Relay2
- Dual Set point
- Programmable Input Scaling
- Up, Down, Quadrature & Bi-directional Counting Direction

Certifications : CE

Display Specifications

Display	6 digits for Counter, 5 digits for RPM Indicator
LED Indications	Relay1, Relay2

Input Specifications

Sensor Type	NPN, PNP, Potential free contact Encoder
Input Type	Voltage pulse (3 to 30V DC) from Proximity switches, Encoders, Solid state devices, Potential free contact
Input Speed	a) 0 to 30Hz b) 0 to 2.5kHz c) 0 to 5kHz (for up & down mode only)
Accuracy	Rate : 0.05% ± 2 counts

Output Specifications

Sensor Supply	Inbuilt, 12V DC, 30mA (short circuit protected)
Relay Contact	2 C/O DPDT
Contact Rating	5A @ 230V AC

Functional Specifications

Modes	ON delay / Interval / Auto reset / Time pulse repeat
Range	Count : Selectable least count 0.0001, 0.001, 0.01, 0.1 & 1 Rate : Auto ranging 4.00 to 99999 RPM or RPH mode
Counting Directions	Up, Down, Bidirectional, Quadrature
Set Points	2
Scale Factor	0.00001 to 9.99999 x 10^n n = -5, -4, -3, -2, -1, 0, 1, 2
Reset	Front (user selectable), Remote
Memory Retention	Yes

Auxiliary Supply Specifications

Supply Voltage	90 to 270V AC / DC (50 / 60Hz)
Power Consumption	5VA max

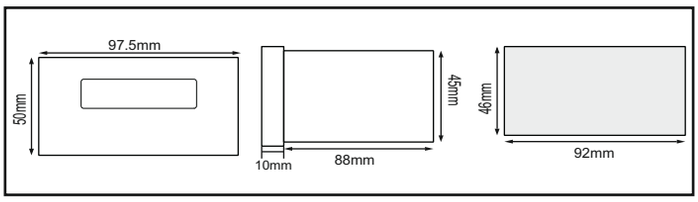
Environmental Specifications

Temperature	Operating : 0 to 50°C (32 to 122°F) Storage : -20 to 75°C (-4 to 167°F)
Humidity (non - condensing)	95% RH

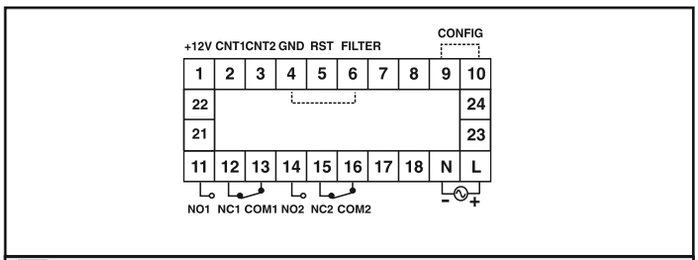
Mechanical Specifications

Mounting	Panel Mount
Weight	260gms

Dimensions



Terminal Connections



IEC Cable Size (mm^2) : 2.5; Stud Hole for Lug (mm) : 3.5; Tightening Torque (N-m) : 0.8

Compliance

Applicable EMI / EMC Standards		
Product Standard		
Category	**Reference Standards**	**Testing Level**
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Rated Emissions	CISPR-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	
PFMF (Passing criteria)	IEC 61000-4-8	Class A

Ordering Information

Product Code	Supply Voltage	Certification
XC1200	90 to 270V AC / DC	CE