Hour Meter - Counter

XTC4102

36 x 72mm

Features :

- 6 digits time / Count totaliser
- 7 segment white LED display
- Inbuilt sensor supply
- Compact size
- Selectable least count

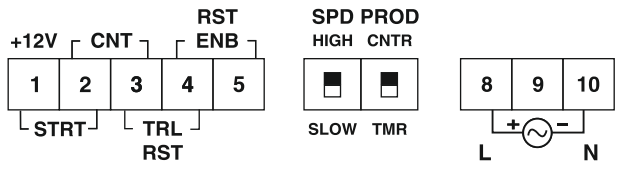
Certifications : CE cULus

Technical specifications

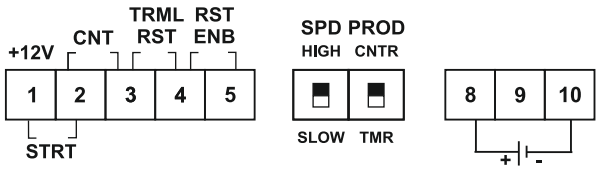
Display specifications	
Display	6 digits, 7 segment white LED display
Input specifications	
Sensor type	NPN / PNP
Input type	**Counter :** 5 to 30V DC from proximity switches, Encoders, Potential free contacts, Limit switches etc. **Timer :** Potential free contact
Input speed	For Counter only : 1) 20Hz (DIP 1 ON) 2) 5KHz (DIP 1 OFF)
Accuracy	Timer : ±0.05% Counter : ± 2 counts
Output specifications	
Sensor supply	Inbuilt, 12V DC @60mA
Functional specifications	
Ranges	**Counter :** 999999 counts **Timer :** a) 99999.9 sec, b) 999999 sec, c) 99999.9 min, d) 999999 min, e) 99999.9 hrs, f) 999999 hrs
Counting direction	Up
Reset	1. For counter - front panel reset key 2. For timer - short terminal 4 & 5
Memory retention	Yes
Auxiliary supply specifications	
Supply voltage	90 to 270V AC / DC 12 to 24V DC (optional)
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	140gms

Terminal connections

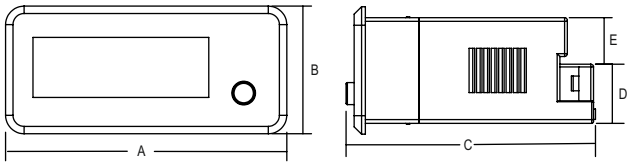
XTC4102-CU



XTC4102-2-CU



Dimensions (All are in mm)



Front bezel Side view

MODELS / DIM	A	B	C	D	E
XTC4102	76	34.50	67.50	16	12.60

Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		**Standards Compliance**
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility	IEC 61000-4-6	Level II

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		**Standards Compliance**
Voltage Dips and Interruptions	IEC 61000-4-11	**Dips** : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C)70% residual voltage / 25 cycles50Hz / 30 cycles 60Hz (Criteria C) **Interruptions** : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	**Class A (150KHz to 30MHz)**
Radiated Emission	CISPR-11	**Class A (30MHz to 1GHz)**
Electrical Fast Transient	IEC 61000-4-4	Level III

Ordering information

Product code	Supply voltage	Certification
XTC4102-2-CU	12 to 24 VDC	CE cULus
XTC4102-CU	90 to 270 VAC/ DC	CE cULus