SPECIFICATIONS Display 6 digit, 0.30" White 7 segment LED Supply voltage XTC4102:- 90 to 270V AC/ DC @50/60 Hz XTC4102-2:- 12 to 24V DC Counter : 999999 counts Timer : a) 99999.9 sec b) 999999 sec Time range c) 99999.9 min d) 999999 min e) 99999.9 hrs f) 999999 hrs 12VDC@30mA Sensor Supply (use external supply if current>30mA) Counter : 5 to 30V DC from Proximity switches. Encoders, Potential free contacts, Input Limit switches etc. Timer: Potential free contact Counter: Input Speed 1. 20Hz (DIP 1 ON) 2. 5 kHz (DIP 1 OFF) Memory retention 10 years Accuracy ±0.05% for Time Range Housing Flame retardant plastic. Mounting Panel mounting Operating: 0 - 50°C Temperature Storage : -20 - 75°C Humidity 95% RH Weight 85gms

MECHANICAL INSTALLATION

Panel cutout: 29mm x 71mm

SAFETY PRECAUTIONS

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

M 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 IEC 61326-1 and IEC 61010 respectively.

Ilke EC 61326-1 and IEC 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 lavout, given in the manual.

A 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.

Use clean moist cloth soaked in water for cleaning. Avoid entry of water into the circuitry through the ventilation holes.

TERMINAL CONNECTIONS

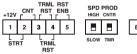
XTC4102



SPD PROD HIGH CNTR



XTC4102-2



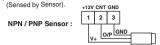
TERMINALS	FOR COUNTER	FOR TIMER
1	+12V	+12V
1 - 2	-	Start
2 - 3	Count	-
3 - 4	Terminal Reset	Terminal Reset
	Frank Daniel Frankla	

DIP SWITCH SETTING DIP SWTCH OFF ON DIP 1* High speed Slow speed DIP 2 For Counter For Timer *Note: DIP 1 is available only for Counter.

TYPICAL APPLICATION

FOR COUNTER

- CASE1: Operated by external contact.
- A PNP/NPN proximity sensor can be used instead of switch.(NPN/PNP can selected through Config)
- 2) Connect proximity switch between terminals 1,2 & 3.
- 3) The count displayed on XTC4102 will be indicative count



CASE2: Operated only by Potential free contact



Note :- Potential free count will work only during NPN selection

FOR TIMER

PNP Sensor:

CASE1: Operated by external contact.

- 1) A PNP proximity sensor can be used instead of a switch
- 2) Connect proximity switch between terminals 1,2 & 3.
- The time displayed on XTC4102 will be indicative of the time for which the machine is ON(Sensed by Sensor).



CASE2: Operated only by Potential free contact
1) Short Terminal 1 & 2 of XTC4102.

2) Display will be On when power is applied to the machine and XTC4102 at a same instance. XTC4102 will display the time for which the machine is ON.



RESET METHOD

For Timer :-

By Terminals: Short terminals 3 & 4.



For Counter :-

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

Remote reset :



CONFIGURATION INSTRUCTION

-) Scroll various function ranges by pressing ekey.

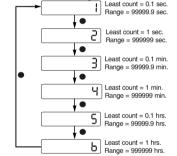
FOR COUNTER

Sensor Selection Default : NPN



FOR TIMER

Range Selection Default : 1



The unit will auto exit configuration mode after 15sec. of key inactivity or by turn unit OFF & ON

TO READ RANGE (For Timer Only)

KEY PRESS (MOMENTARY)	DISPLAY	DESCRIPTION
•		Range code is displayed for selected range

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

Selec Controls Pvt. Ltd., India

Factory Address :

EL-27/1, Electronic Zone, TTC Industrial Area, MIDC, Mahape, Navi Mumbai - 400 710, INDIA.

Tel. No. : +91-22-28476443 / 1882

Fax No.: +91-22-28471733 | Toll free: 1800 227 353 Website: www.selec.com | Email: sales@selec.com