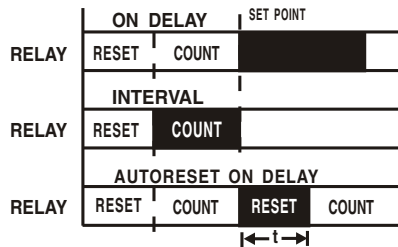


XC22B PRESET COUNTER OPERATING INSTRUCTIONS



INTRODUCTION: XC22B is a single set point preset counter. On application of input pulses, the counter counts up till the set point. The relay switches according to the mode of operation selected - On Delay or Interval. These are user selectable using DIP switches provided on the instrument. The counter has an auto reset feature on request with variable auto reset time (using the potentiometer on the front bezel). The front panel thumb-wheels set the count at which the relay operates. The current count value is retained in absence of power for units with battery backup facility.

OPERATING MODES



t - user selectable (0.1-15 sec. max.)

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

Selec Controls Pvt. Ltd., India.

(Formerly Selectron Process Controls Pvt. Ltd.)

Tel:91-22-28476443/1882, Fax:91-22-28471733,

Website: www.selecindia.com

E- mail: sales@selecindia.com.

Document name: Operating/0804/XC22B/Ver2 OP010-V02

SPECIFICATIONS

Supply : 230 VAC, 110 VAC, 50/60 Hz.

Modes : On Delay / Interval.

Accuracy : ± 1 Count (max error).

Sensor supply : 12 VDC, 30 mA ($\pm 10\%$) short circuit protected.

Reset : a) Front Panel Reset b) Remote Reset c) Auto Reset (optional).

Output : 2 C/O relay rated 5A @ 230 VAC/24 VDC.

Memory retention : 30 Days (optional)

Input : 3-30 VDC from Proximity Switch, Encoder, Solid State Device, Mechanical Switch, Potential Free Contact.

Max input frequency: a) Slow - 30Hz, b) Fast - 5kHz

Temperature : 0 - 50°C (operating temperature).

Over all size : 72mm (H) X 72mm (W) X 125mm (D).

Panel cutout : 68mm (H) x 68mm (W).

Depth Behind Panel : 115mm.

DIP SWITCH SETTINGS

(The DIP switch is at the side of the instrument)

2	3	4	MODE
OFF	ON	OFF	INTERVAL
OFF	OFF	ON	ON DELAY
ON	ON	OFF	AUTO RESET INTERVAL
ON	OFF	ON	AUTO RESET ON DELAY

1	5	
OFF	ON	NON OVERRUN
ON	OFF	OVERRUN

6. ON - BATTERY CONNECTED TO CIRCUIT

OFF - BATTERY DISCONNECTED

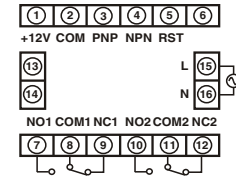
7. ON - SLOW SPEED (30 Hz maximum)

OFF - FAST SPEED (5 KHz maximum)

Auto Reset Function and battery are optional features.

Their selection (as above) valid only when present.

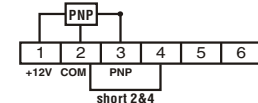
TERMINAL CONNECTIONS



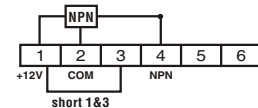
TERMINAL	DESCRIPTION
1	+12V (sensor supply positive).
2	COM (sensor supply return).
3	Count input for PNP sensor.
4	Count input for NPN sensor.
5	Reset input.
7-8-9	NO - COM - NC of relay 1
10-11-12	NO - COM - NC of relay 2
15	Live (supply)
16	Neutral (supply)

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

EXTERNAL WIRING FOR PNP SENSOR



EXTERNAL WIRING FOR NPN SENSOR



EXTERNAL WIRING FOR POTENTIAL FREE CONTACT

