selec **XC22B V2**
Operating Instructions

OP1082-V02

72 x 72 mm

SPECIFICATIONS

DISPLAY	4 Digit,0.56" Height, Red 7 segment LED.
SUPPLY	90 to 270V AC/DC, 50/60 Hz, 5VA max
INPUT FREQUENCY	**Slow Speed:** 30Hz. **High Speed:** 5kHz.
TEMPERATURE	**Operating:** 0° to 50°C **Storage:** -5° to 55° C.
RESET	1)Front panel reset. 2)Remote Reset. 3)Auto Reset.
DELAY MODES	On delay / Interval.
SENSOR SUPPLY	12VDC, 30mA (±10%).
COUNT INPUT	5 to 30VDC from Proximity Switches, Encoders, Solid state devices, Mechanical switch ,Potential free contacts
RETENTION	User selectable (DIP SW)
LED INDICATION	Relay status.
OUTPUT	2 Relay (SPDT)
RELAY RATING	5A@ 250V AC / 24V DC, Resistive
MOUNTING	Panel mounting.
HUMIDITY	95% RH.
WEIGHT	210 gms.

SAFETY PRECAUTIONS

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

⚠ Warning:

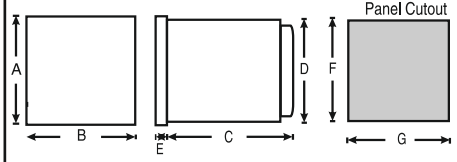
1. This unit is panel mounted type with its output terminals getting connected to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BS EN 61326-1 and BS EN 61010 respectively.
2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.
3. Use lugged terminals to meet M3 screws.

⚠ Caution:

1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of at least 1mm² and insulation capacity of at least 1.5kV.
3. The output connections must not be loade 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.
6. Use clean soft cloth for cleaning. Do not use any organic solvents like Isopropyl alcohol. Care must be taken to avoid entry of water into the circuitry through the ventilation holes.

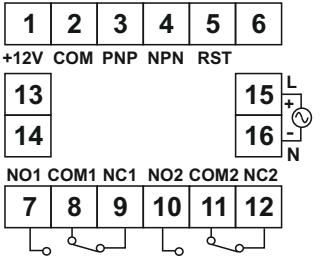
MECHANICAL INSTALLATION

OVERALL DIMENSIONS (All dimensions in mm)



	A	B	C	D	E	F	G
DIMENSION	72	72	115	68	10	69	69

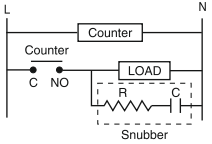
TERMINAL CONNECTIONS



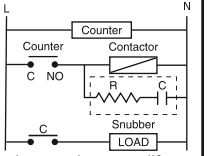
Terminals	Description
1	+12V (Sensor Supply)
2	COM
3	CNT Input for PNP
4	CNT Input for NPN
5	RESET
7-8-9	NO-COM-NC of Relay 1
10-11-12	NO-COM-NC of Relay 2
15	Live (+)
16	Neutral (-)

LOAD CONNECTIONS

For load current < than 0.5A



For higher loads use interposing relay / contactor



NOTE : a)Use snubber as shown above to increase life of internal relay
b)Use separate shielded wires for inputs.

DIP SWITCH SETTING

NOTE : DIP switch for Auto Reset and Mode settings is on the side of the Instrument.

STATE / DIP SW	OFF	ON
SW1	ON Delay	Interval
SW2	Non Auto Reset	Auto Reset
SW3	Non Over Run	Over Run
SW7	Retention OFF	Retention ON
SW8	Fast Speed	Slow Speed

DIP SWITCH SETTINGS FOR AUTO RESET

RESET	SW4	SW5	SW6
Immediate	OFF	OFF	OFF
1 sec	ON	OFF	OFF
2 sec	OFF	ON	OFF
3 sec	ON	ON	OFF
4 sec	OFF	OFF	ON
5 sec	ON	OFF	ON
6 sec	OFF	ON	ON
7 sec	ON	ON	ON

NOTE : Auto Reset Setting is applicable only when DIP SW2 is ON.

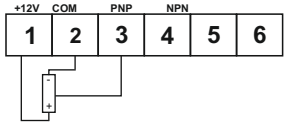
DIP SWITCH SETTING EXAMPLE

DIP SW	FUNCTION SETTING
1	Interval
2	Auto Reset
3	Non Over Run
4, 5, 6	Auto Reset Time=1sec
7	Retention ON
8	Slow Speed

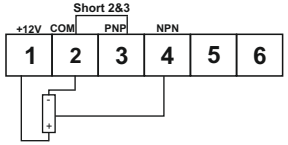
WIRING DIAGRAM FOR COUNT INPUT

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

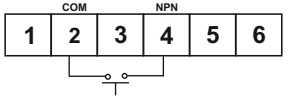
External Wiring Diagram for PNP Sensor



External Wiring Diagram for NPN Sensor



External Wiring Diagram for Potential Free Count



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

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