#### Main Features:

- √ 5 Digit 7 Segment LED Totalizer
- ✓ Auto Resetable
- ✓ Inbuilt Sensor Supply
- ✓ Thumbwheel Setting
- ✓ Battery Backup

## Operation

The instrument's front panel consist of a 5 digit 7- segment display with 14.3mm RED FNDs. The display indicates count value on application of input pulse, & count upto set value, then switches according to the mode of operation selected, using dip switch. The counter has an auto reset feature on request with variable auto reset time, using internal potentiometer. The current count value is retained in absence of power for units with backup facility.

# Specification

: 12v dc, 30 mA (±10%) Short Circuit Protected Sensor Supply

Accuracy : ±1 Count (Maximum Error)

Display : 5 Digits, 7Segment RED FND, IN14.3mm Height

Power Supply : 220 VAC ±10%, 50Hz.

: Back Panel (Short Terminal 5 & 6) Reset

Memory Retention : 30 Days

: ABS, 96x96x110mm (WHD) with Two Mounting Clamps Enclosure Environmental Operating Conditions : Ambient Temperature 50° C, Humidity 90% Rh. max.

: 30Hz (Slow), 5kHz (Fast) Input Frequency

#### Teminal Connection

#### NPN PNP Com +12V Rst 1 6 8 O/P-2 O/P-1 COM NO NC COM NO 10 11 | 12 13 15

# Teminal Description

| Terminal | Description  |  |  |  |
|----------|--|--|--|--|
| 5        | Reset Input  |  |  |  |
| 6        | Count Input For NPN Sensor   |  |  |  |
| 7        | Count Input For PNP Sensor   |  |  |  |
| 8        | Com (Sensor Supply Return) +12V (Sensor Supply Positive) Live (Supply) |  |  |  |
| 9        |  |  |  |  |
| 10       |  |  |  |  |
| 11       | Nutral ( Supply )  |  |  |  |
| 13-14-15 | NC-COM-NO  |  |  |  |
| 16-17-18 | NC-COM-NO  |  |  |  |

#### DIP Switch Setting

## (The DIP Switch is at the side of the instrument)

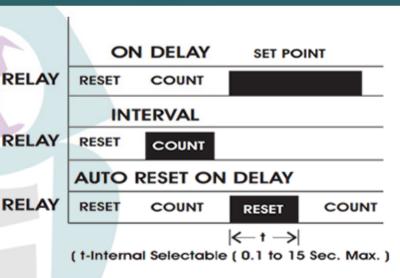
| 2   | 3                | 4            | Mode  | 1  | 5  | Mode  |
|-----|------------------|--------------|---|--|--|---|
| OFF | ON               | OFF          | Interval  |  | •  |   |
| OFF | OFF              | ON           | ON Delay  | OFF  | ON   | NON<br>OVERRUN  |
| ON  | ON               | OFF          | Auto Reset<br>Interval  | <b>A</b> N   |  | 0./500  |
| ON  | OFF              | ON           | Auto Reset<br>ON Delay  | ON   | OFF  | OVERRUN   |
|     | OFF<br>OFF<br>ON | OFF ON ON ON | OFF         ON         OFF           OFF         OFF         ON           ON         ON         OFF | OFF ON OFF Interval OFF OFF ON ON Delay ON ON OFF Auto Reset Interval ON ON OFF Auto Reset | OFF ON OFF Interval OFF OFF ON ON Delay ON ON OFF Auto Reset Interval ON ON OFF ON Auto Reset ON | OFF ON OFF Interval OFF OFF ON ON Delay ON ON OFF Auto Reset Interval ON ON OFF Auto Reset ON OFF |

6. ON- Battery Connected to Circuit

**OFF- Battery Disconnected** 

7. ON- Slow Speed (30 Hz Maximum) OFF- Fast Speed ( 5 KHz Maximum )

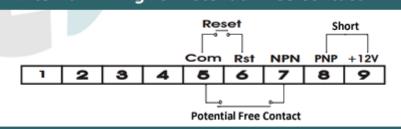
#### Operating Modes



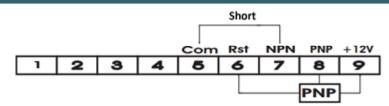
#### External Wiring For PNP Sensor

#### Short NPN PNP Rst +12VCom NPN

# External Wiring For Potential Free Contact



#### External Wiring For PNP Sensor



## Soraj Instruments & Control Enterprise

College Road (Near Party Office) Barjora, Bankura - 722202 West Bengal

Call us:

+91-9830469233 +91-9233392111 Fax : +91(03241)-256478 **Email**: sales@soraj.co.in

URL : www.soraj.co.in +91(03241)-256478