## General Specifications:

- 2x4 Digit display, double PRESET, double OUT, up/down counter
- Counts switch, proximity switch \& incremental encoder input
- Password protection
- Selectable input frequency
- Calibration constant; 0.001.....9.999
- Selectable decimal point; 1. ..... 3. Digit
- 7 input / 10 output function options
- Adss "OFFSET" to Count Value
- PRESET1; Absolute / Relative option
- OUT; latch or 0.1..... 999.9 seconds pulse
- Loads count value \& OUT satus at the lastest power failure after the first power on
- RESET via front panel
- Displays Preset $1 / 2$ values
- EEPROM memory to store settings


## Technical Specifications:

- Panel Hole Sizes : 67x67mm
- Display : 2x4 Digit 7 Segment display
- Count Input : $2 x$ (Max: $7500 \mathrm{~Hz}, 5-30 \mathrm{~V}$ )
- NPN Selection : Connect "npn select" to "+12V" to select NPN sensor for Cp1 and Cp2. Reset input is always PNP. For totem pole or PNP type sensor "npn select" left unconnected.
- Sensor Types : PNP/NPN proximity switch - NPN/PNP/Totem-pole output encoder
- Input Frequency : 20,50,2500, 7500 Hz selectable.
- Reset Input : 10ms (min), Positive input (PNP only) (5.....30V)
- Output : Out1, Out2; 2x Relay (O-NO-NC), 250VAC, 2A, Rezistif Yük 2x Open Collector (NPN), 30V, 100mA max.
- Sensor Supply : 12VDC, 50mA(max.), unregulated
- Supply Voltage : 100...240VAC, 50-60Hz
- Power Consump. : < 8VA
- Operating Temp. : $-20^{\circ} \mathrm{C} \ldots . .55^{\circ} \mathrm{C}$
- Operating Altitude : < 2000m


## 1 Warning:

- Use shielded and twisted signal cables and connect shield to ground. Keep all signal cables away from circuit breakers, inductive loads, device/cables emitting electrical noise and power cables.
- Take precautions agains environmental conditions like humidity, vibration, pollution and high/low temperature during installation.
- Use fuse (F250mA 250VAC) on mains/supply input of the device. Use appropriate cables for supply connections. Apply safety regulations during installation.
- Prefer to use (Inpt = Phs1) option for encoders, select (Freq = 20) to count mechanical switch ON-OFF pulses, select the minimum input frequency option that suits your application.

For Inpt = 1u2u, 1u2d, Phs2; input signal frequency shall be at most $1 / 2$ of the selected input frequency option if both

- inputs are used. And for Inpt = Phs4; input signal frequency shall be at most $1 / 4$ of the selected input frequency option if both inputs are used.


## Connection



## Notes:

- Connect SS Out return pin directly to GND.
- Use free-wheeling diode to protect SS Out.
- To select PNP option; connect "npn select" to "+12V".


## Dimensions



## Programming Steps

## Reading Preset1 / Preset2 value at lower display:



Fron Panel RESET:


## Programming Preset1 and Preset2 Absolute Values:





Note: If no entry is done for 20 sec . during programming, current enteries are accepted and saved to EEPROM memory.

Operating Modes


Pulse
$\square$ Latched Output

