

## ⇒ Programming Procedure

### Level-1 (User Level)

Press SET key for 2-3 secs. to enter this mode.

The display shows the set count on the display. This can be confirmed by the blinking of the leftmost digit:

0 2 1 5 6 4

Note that the leftmost digit will be blinking.

To change the parameter, to say '021604' follow the steps as given:

- 1) First press the shift key '▲' until the blinking shifts to the second digit from the left.
- 2) Press the increment key '▲' till the digit shows 0. the display will now show the following :

0 2 1 5 0 4

- 3) Now press the shift key '◀' again to shift the blinking to the last digit.
- 4) Repeat step 2 to increment the third digit from left from '5' to '6'. Now the display will show the required value:

0 2 1 6 0 4

- 5) Now, once the required value is displayed, press set key to save the new value and exit the setting mode. Now the unit will come out of the programming mode and the display will show the process count.

### Level-2 (Configuration Level)

Press ▲ key and ◀ key for 2-3 secs. to enter this mode.

The display shows the set time delay on the display. This can be confirmed by the blinking of the leftmost digit and the message "tr-" on the rightmost three digits as show below:

t r - 0 0 4

Note that the leftmost digit will be blinking. The User can change this parameter by following the same procedure as given for changing the set count in the user level.

After changing the set time delay, press **SET** key to come out of the configuration mode. The maximum value that can be set for time delay is 999 seconds.

To bypass the *auto mode*, just enter 000 for this value. In that case, the unit will operate in the *manual mode* i.e. the relay will turn ON after the process count reaches the set count and will stop counting at that value and the relay will remain ON until a reset is applied manually to the unit (by pressing **RST** key on the front for 4~5 secs. Or by giving a reset input from the backplate).

In the *auto* mode, the relay will turn on when the process value reaches the set count and turn off automatically after a delay specified for the timer delay parameter. The process count will also instantaneously reset to 000000 counts as soon as the set count is reached.

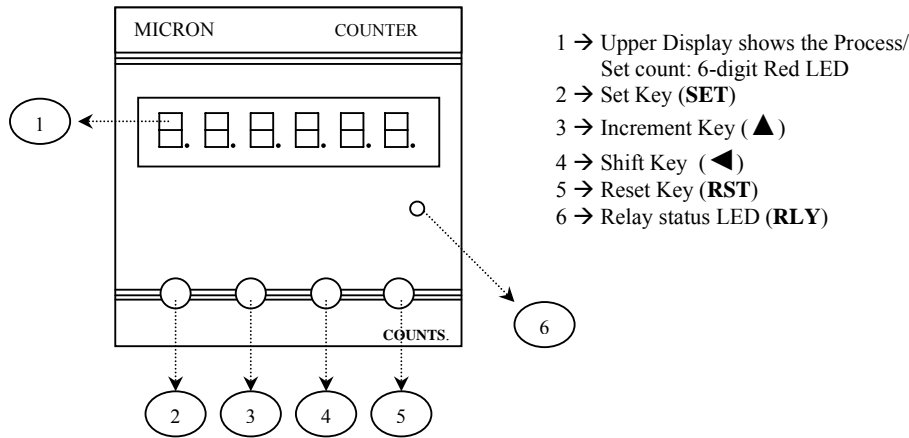


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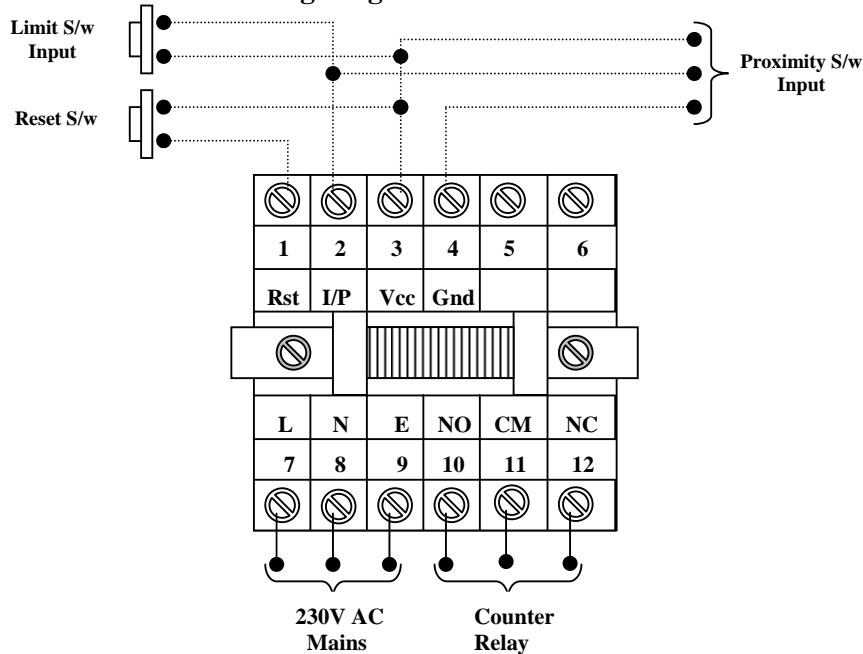


## Microcontroller based 6-Digit Counter Instruction Manual

### ⇒ Front Panel Description



### ⇒ External Wiring Diagram:



### ⇒ Introduction

This micro-controller based 6-digit counter is mainly designed taking into consideration simplicity in operation without sacrificing the functional capability and features of a standard counter. A rugged, reliable but economical design makes it a sure choice for innumerable counter-based applications and will provide trouble-free operation for a long time. It also has a feature for auto resetting the counter to 000000 after reaching the preset counts and turning off the relay after a predetermined delay which is also settable from 0 to 999 seconds.

### ⇒ Specifications

- |                                 |   |  |
|---------------------------------|---|--|
| <b>1. Input</b>                 | : | <b>Through Proximity Switch or potential free Limit Switch.</b>  |
| <b>2. Range</b>                 | : | <b>0~999999 counts</b>   |
| <b>3. Timer Range</b>           | : | <b>0 ~ 999 seconds</b>   |
| <b>4. Process count storage</b> | : | <b>Memory retention of last count even on power failure</b>  |
| <b>5. Reset Facility</b>        | : | <b>Through potential free contacts on backplate OR on the front by pressing RST key for 2~3 seconds.</b> |
| <b>6. Memory Retention</b>      | : | <b>About 100 years</b>   |
| <b>7. Power Supply</b>          | : | <b>230V AC,50Hz. ± 10%</b>   |
| <b>8. Relay</b>                 | : | <b>Relay 1C/o, 5A, 230V AC resistive contacts</b>  |
| <b>9. Cutout Dimensions</b>     | : | <b>68mm(H) x 68mm(W)</b>   |
| <b>10. Overall Dimensions</b>   | : | <b>72mm(H) x 72mm(W) x 113mm(D)</b>  |

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