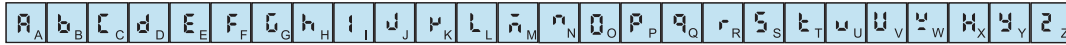


Display Alphabet Characters



PARAMETER SETTING

Left First Thumbwheel **Key + Power ON**

Speed Selection (Slow / Medium / Fast)
(Press reset key to change parameter value)

Over Counting or Without Over Counting
(Press reset key to change parameter value)

Relay Function (On Delay / Off Delay)
(Press reset key to change parameter value)

Memory (YES Or NO) (Press reset key to change parameter value)

Out

Press reset key to Save & Exit

VBTRON AUTOMATION PVT. LTD.

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Authorized Distributor :

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All Right Reserved. In the interest of
product improvement, specifications are
subject to change without notice.

SAFETY PRECAUTIONS

Do not touch the terminals while power is being supplied.
Doing so may occasionally result in minor injury due to electric shock.

Do not allow pieces of metal, wire clippings, or fine metallic shavings
or filings from installation to enter the product. Doing so may occasionally
result in electric shock, fire, or malfunction.

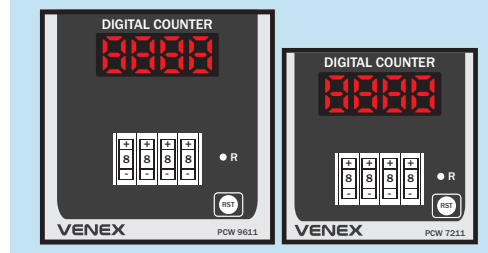
Do not use the product where subject to flammable or explosive gas.
Otherwise, minor injury from explosion may occasionally occur.

Never disassemble, modify, or repair the product or
touch any of the internal parts. Minor electric shock, fire,
or malfunction may occasionally occur

If the output relays are used past their life expectancy, contact fusing or burning may
occasionally occur. Always consider the application conditions and use the output
relays within their rated load and electrical life expectancy. The life expectancy of
output relays varies considerably with the output load and switching conditions



This section gives you all the information necessary to help you monitor and operate your controller including an Operator Interface overview, an explanation of the Displays, keys, LEDs, Mode access, and Operation Modes.



INPUT	Start Pulse	NPN/PNP Proxy / Micro switch / Limit Switch (Configurable) OR 230V AC Pulse (Factory Set)
OUTPUT	Control Output Relay Rating SSR / Buzzer	1CO OR 2CO OR SSR (Factory Set) 1CO, 5 Amp., 230 Volt AC 12 V DC Approximately (Optional)
SPECIFICATIONS	Supply Voltage Reset Facility Memory Retention Range Enclosure Material Operating Temp. Relative Humidity	230V AC, ±10%, 50Hz Auto Reset / By Front Keypad & Back Reset Non Volatile Memory 0-9999 Count Polycarbonate + ABS Plastic 0°C-55°C Upto 95% RH Non Condensing

Working

- Count can be set by Thumb Wheel Switch
- If you set TIME = 00.0 SECOND then it will be in MANUAL MODE and if you set TIME = 00.1 to 99.9 SECONDS then it will be in AUTO RESET MODE.
- At set Count Relay will turn ON and RED LED will turn on right hand side.
- Relay remain on until AUTO RESET TIME is over.
- If you set TIME 00.0 seconds then Relay will remains in on condition until Reset key is pressed.
- To reset the count press key for 2 seconds.

Auto & Manual Setting

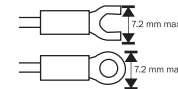
- Key used for reset count and set Auto reset Time.
- Press Key for 10 seconds to Enter in set mode. To change the value of Auto Time hold Key in pressed condition and select value from thumb wheel switch if you release Key then it will take that value at the time of releasing key.

Function	Display	Range
Auto Manual Time	t 00.0	00.0-99.9 Sec.

NOTE : 1. In manual mode press reset key to reset, set point.
2. In Auto mode , set point is automatically reset after reset time is reaches to set value.

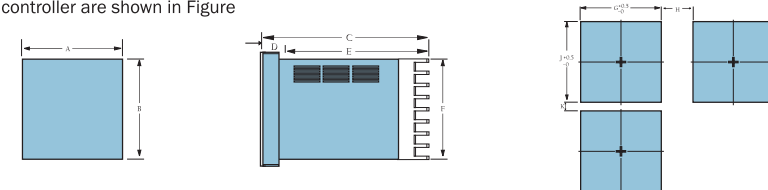
PRECAUTIONS WHEN WIRING

- Separate input leads and power lines in order to prevent external noise.
- Use specified size (M3.5, width 7.2 mm or less) crimped terminals for wiring. To connect bare wires to the terminal block, use copper braided or solid wires with a rated temperature of over 70 °C and a gauge of AWG24 to AWG14 (equal to a cross-sectional area of 0.205 to 2.081 mm²). (The stripping length is 5 to 6 mm.) Up to two wires of same size and type, or two crimped terminals can be inserted into a single terminal.
- Use crimp terminals when wiring the terminals.
- Use the suitable wiring material and crimp tools for crimp terminals.
- Tighten the terminal screws to between 0.74 and 0.90 N-m.
- Use the following types of crimp terminals for M3.5 screws.



MOUNTING

The controller can be mounted on either a vertical or tilted panel using the mounting bracket supplied. Adequate access space must be available at the back of the panel for installation and servicing activities. Overall dimensions and panel cutout requirements for mounting the controller are shown in Figure



Size	A	B	C	D	E	F	G	H(Min)	J	K(Min)
(96*96)	100	100	45	3	42	90	92	25	92	25
(72*72)	72	72	62	3	59	65	66	25	66	25