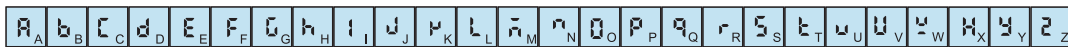


**Working**

- 1).When pulse comes from sensor, upper display indicates increment in COUNT in Instrument.  
Lower Display indicates Set Count Value.
- 2).For Manual Mode, set time=000.0 sec. and for Auto Reset Mode, set time=000.1 to 999.9 sec.
- 3).When process value=Setvalue, Relay energizes. Relay remains ON for Auto Reset  
Time Relay turns off after completion of time. If time is set at 000.0sec.thenrelay  
remains ON until RST key is pressed.
- 4).If there is a power failure the last reading is stored in the memory and Counter starts  
resume counting from the last stored value, when power ON.
- 5).To restart Counting or to Reset press RST key. Upper display will show 0000 and  
the counting will restart.
- 6).The proximity switch give pulse to counter every time the metal on the roller is sensed

Display Alphabet Characters



**Set Point**  
Press [SET]

0010  
[SET]  
[DOWN] Press [SET]

0092  
[SET]  
[DOWN] Press [SET]

Save & Exit

**DISPLAY MESSAGES**

PASS Password	dLOF Delay Off Function	dIS Disable Mode	FrSt Front Reset
UP UP Direction	Med Medium Speed	YES Yes	MEAN Memory Retain
CntD Count Direction	TrIG Trigger	OVER Over Count	rSt Reset
dLOn Delay On Function	SETP Step Count	SLOW Slow Mode	INPt Input Selection
REL Relay	nO No	SPEd Counting Speed	rSLY Reset Sensing Time
FAST Fast Speed	ZEro Zero Count	rTI Counting Ration	Enb Enable Mode
rtIn Relay Time			

PARAMETER SETTING

Press [SET] For 5 Sec

0043 [SET] 0070 [SET] WP [SET] dLOn [SET] 1-01 [SET] SLOW [SET] YES [SET] rtIn [SET]

PASS [SET] PASS [SET] CntD [SET] RELY [SET] rTI [SET] SPED [SET] OVER [SET] ZEro [SET]

Enter Password 070 For Parameter Use [UP] & [DOWN]

Count Direction UP/DOWN Use [UP] & [DOWN]

Relay Function Delay Off/Delay On Use [UP] & [DOWN]

Counting Ration Use [UP] & [DOWN]

Counting Speed Slow/Medium/ Fast Use [UP] & [DOWN]

To Shows Over Count YES / NO Use [UP] & [DOWN]

Count Zero Use [UP] & [DOWN]

If NO

Save & Exit

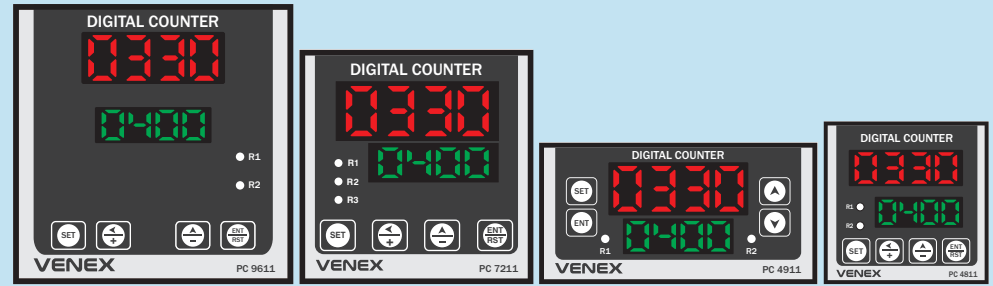
Reset Sensing Time (10 to 9999 mS) Use [UP] & [DOWN]

Input Selection Trigger/Reset Use [UP] & [DOWN]

Memory Retain YES / NO Use [UP] & [DOWN]

Front Reset ENABLE/DISABLE Use [UP] & [DOWN]

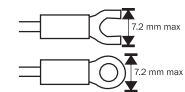
This section gives you all the information necessary to help you monitor and operate your controller including an Operator Interface overview, an explanation of the Displays, keys, LEDs, Mode access, and Operation Modes.



<b>INPUT</b>	Input Single	NPN/PNP Proxy / Micro switch / Limit Switch (Configurable) OR 230V AC Pulse (Factory Set)
<b>OUTPUT</b>	Control Output Relay Reating SSR / Buzzer	1CO OR 2CO OR SSR (Factory Set) 1CO, 5 Amp. 230 Volt AC 12 V DC Approximately (Optional)
<b>SPECIFICATIONS</b>	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 RPM Polycarbonate + ABS Plastic 0°C 55°C Upto 95% RH Non Condensing

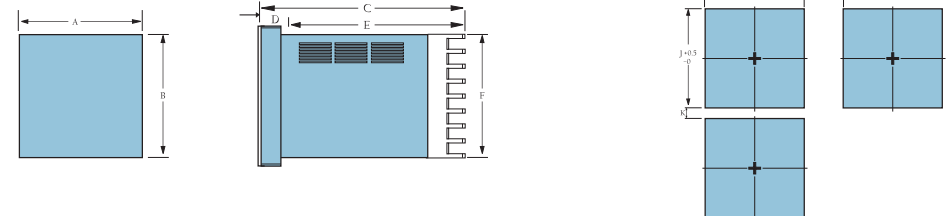
PRECAUTIONS WHEN WIRING

- 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 mm<sup>2</sup>). (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
(48*48)	50	50	100	3	97	43	44	25	44	25
(48*96)	96	51	73	3	70	86	88	25	44	25