V27D THREE FIGURES DISPLAY DIGITAL VOLTMETER
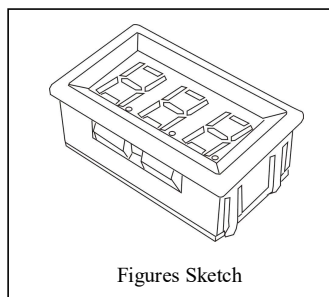
Features:

* Low power consumption, maximum current consumption less than 25mA
* Wide measurement range (DC3-30V)
* Ultra small form factor (with hole in size 45.5mm x 26.5mm).
* Snap on design for easy installation.

Description:

V27D digital display voltmeter is creative development by our company with low cost and high reliability.
It employs the appropriative AD conversion and LED driver IC so that provide accurate measurement, stable display and flexibility applications.
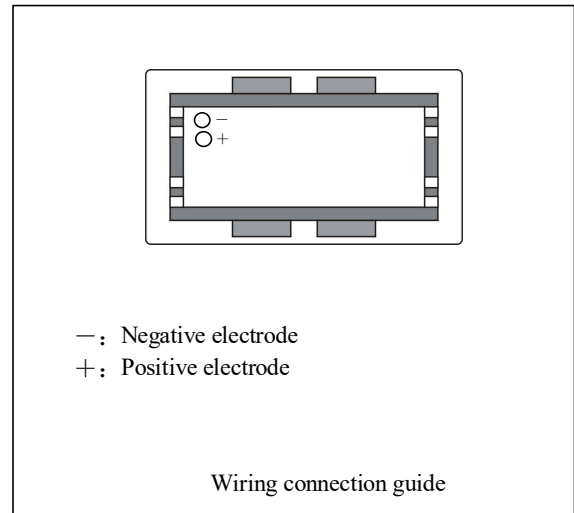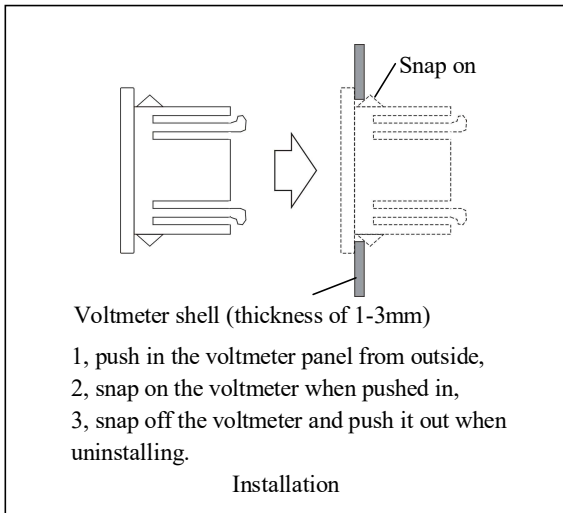
Figures Sketch

Performance parameter

Content	Symbols	Data	Unit
Figures size (Length x Width x Thickness)	Sw	$48 \times 29 \times 21$	mm
Aperture size (Length x Width)	Sa	45.5×26.5	mm
Fit for the thickness of panel installation	Sah	1-3	mm
Power supply	Vp	DC3-30	V
Input voltage range	Vi	DC3-30	V
Current sinking	Ip	< 25	mA
Display	M	0.56 ″ LED	
Color displayed (other colors for optional)	Mc	Red,Green,Blue	
Display Refresh interval	Mo	≈ 200	mS
Max input	Imax	< 30	V
Driving point impedance (due to measuring range)	Rin	330K	Ω
Testing accuracy	Am	1%+/-1word	
Working temperature	To	-10~+55	℃

Note: The max input voltage must be lower than DC30V！.

Installation and connection

Snap on

Voltmeter shell (thickness of 1-3mm)

1, push in the voltmeter panel from outside,
2, snap on the voltmeter when pushed in,
3, snap off the voltmeter and push it out when uninstalling.

Installation

－：Negative electrode
＋：Positive electrode

Wiring connection guide

Pay attention

1, To the power supply: The voltmeter contains DC manostat. The power supply voltage can be random during the voltage range, however, it can be extend the valid voltage, or it will result in inaccurate measurement or instrument damage. When using the switching power supply, switching power supply should be high quality, low -grade switching power supply with spike pulse much higher than the nominal value of voltage can cause instrument damage.

2, Please shield the instrument install anti-jamming circuit if there is strong interference source.

3, Make sure the instruments working environment meet the following requirements: Temperature -10 ~ +55 ℃ , Humidity 20 ~ 80% RH (no condensation).

4, Instrument should guard against the strong vibration and shock, otherwise it may result in inaccurate measurements or damage.

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