

# AC VOLTAGE CONTROLLER/MONITOR

**Model : PAV-6068**

*ISO-9001, CE, IEC1010*

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# AC Voltage CONTROLLER/MONITOR

## Model : PAV-6068

### FEATURES

* Professional ACV meter with standard DIN case ( 96 x 48 mm ) and Control/Alarm function.
* Microprocessor circuit ensures high accuracy and provide special functions and features.
* Large red LED display, high brightness and easy to read.
* Input signal ( without PT ) : ACV : 1.0 to 600.0 ACV, 40 to 400 Hz.
* True rms for ACV measurement.
* Voltage input can cooperate the external PT ( Potential transformer ) to expand the measurement range. The PT range can be adjusted with default.
* Control setting, Hi/Lo alarm setting.
* Control relay output, alarm relay output.
* Control Relay will make action when the reading value reach to control value.
* Alarm Relay will make action when the reading value reach to high/low alarm value.
* Hysteresis value setting for control and alarm function.
* Power : 90 ACV to 264 ACV, 50/60 Hz.
* RS232/USB computer interface.
* Option data acquisition software.

### GENERAL SPECIFICATIONS

Display	Large LED display. 4 digit LED . 14 mm ( 0.55 inch ) digit height . 5 indicators . PV ( process value ) indicator SV ( set value ) indicator Control out indicator Alarm out indicator V ( ACV ) indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
ACV measurement	1.0 ACV to 600.0 ACV * Truermsvalue * Without PT.	
Sampling Time	Approx. 0.8 second.	
Relay Output	Number	2 relays
	Function	Relay 1 : Control relay. Relay 2 : High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV <b>* Do not apply the relay contact load current &gt; 0.5 A, other wise the relay may bedamaged permanently without warranty.</b>
Setting Function	1st layer setting procedures	CtLo ( Control low limit ) CtHi ( Control high limit ) ALLo ( Alarm low limit ) ALHi ( Alarm high limit )
	Second layer setting procedures	PtSt ( PT rate setting ) CtHy ( Control hysteresis value setting ) ALHy ( Alarm hysteresis value setting )

Over input	" - - - " mark indication.
Zero Adjustment	Automatic adjustment.
Data Output	RS232 / USB PC Computer interface. * Connect the optional RS232 cable , UPCB - 02 will get the RS232 plug. * Connect the optional USB cable, USB - 01 will get the USB plug.
Operating Temperature	0 to 50 °C .
Operating Humidity	Less than 80% R.H.
Power Supply	90 to 260 ACV, 50/60 Hz.
Power Consumption	Approx. 3.3 VA/AC 110V. Approx. 4.9 VA/AC 220V. * Under no load
Weight	261 g/ 0.57 LB.
Dimension	DIN size : 96 x 48 mm. Panel cut size : 92 x 46 mm. Depth : 110 mm.
Accessories Included	Instruction manual..... 1 PC Case holder with screw..... 2 PCs
Optional Accessories	USB cable , USB - 01 RS232 cable , UPCB - 02 Data Acquisition software SW-U801-WIN * Real time SD card datalogger DL-9602SD * GSM controller, GSM-889. * Interface cable ( cable between meter to GSM-889 ), GMCB-89.

### ELECTRICAL SPECIFICATIONS

#### Without PT( direct input )

Range	1 ACV to 600 ACV
Resolution	0.1 ACV
Accuracy	± ( 0.5 % + 5d ) reading
Remark :	* Measuring Signal come from the rear terminals . * T11, T12 max. ACV input : AC 600 V . * Accuracy is test under input signal is sine wave, 50/60 Hz. * ACV frequency response is from 40 to 400 Hz. * ACV measurement is True RMS value. * Accuracy value is specified within 23 °C ± 5 °C

#### With PT ( Potential transformer )

Range	10 ACV to 9999 ACV
Resolution	1 ACV
Accuracy	± ( 0.5 % + 5d ) reading
Remark :	* Measuring Signal come from the rear terminals . * T11, T12 max. ACV input : AC 600 V . PT ( Potential transformer ) adjust value : x 1 to x 100. * Accuracy is test under input signal is sine wave, 50/60 Hz. * Accuracy is specified for the meter only, not include the accuracy of PT ( Potential transformer ) .

\* Appearance and specifications listed in this brochure are subject to change without notice.

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