

APPARENT POWER CONTROLLER/MONITOR

Model : PVA-6067

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

APPARENT POWER CONTROLLER/MONITOR

Model : PVA-6067

FEATURES

* Professional Apparent power 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.
* Measurement range (no cooperate the external CT and the PT) : VA : 0 to 6,000 VA.
* Input signal (without PT, CT) : ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz.
* Current input can cooperate the external CT (current transformer) such as CT 1000/5A, CT 100/5A ...to expend the measurement range. The CT range can be adjusted with default.
* Voltage input can cooperate the external PT (voltage transformer) to expend 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 . 6 indicators . PV (process value) indicator SV (set value) indicator Control out indicator Alarm out indicator VA indicator KVA indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
VA measurement	0 - 6,000 VA. * <i>w/o PT, CT.</i>	
Input signal	ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz. * <i>w/o PT, CT.</i>	
Sampling Time	Approx. 0.8 second.	
Relay Output	Number	2 relays
	Function	<i>Relay 1 :</i> Control relay. <i>Relay 2 :</i> High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV *Do not apply the relay contact load current > 0.5 A, other wise the relay may be damaged permanently without warranty.
Over input	" - - - " mark indication.	
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.	

Setting Function	<i>1st layer setting procedures</i>	CtLo (Control low limit) CtHi (Control high limit) ALLo (Alarm low limit) ALHi (Alarm high limit)
	<i>Second layer setting procedures</i>	CtSt (CT rate setting) PtSt (PT rate setting) CtHy (Control hysteresis value setting) ALHy (Alarm hysteresis value setting)
Zero Adjustment	Automatic adjustment.	
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. * <i>Under no load</i>	
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 and CT (direct input)

Range	0 VA to 6,000 VA
Resolution	1 VA
Accuracy	± (0.5 % + 5d) reading
Remark :	* <i>T11, T15 ACV input : 10 ACV to 600 ACV .</i> * <i>T16, T15 ACA input : 0.05 ACA to 10 ACA.</i> * <i>Accuracy is test under input signal is sine wave, 50/60 Hz.</i> * <i>ACV, ACA frequency response is from 40 to 400 Hz</i> * <i>Accuracy value is specified within 23°C ± 5°C</i>

With PT and CT

Range	0 to 999.9 KVA
Resolution	0.1 KVA
Accuracy	± (0.5 % + 5d) reading
Remark :	* <i>Measuring Signal come from the rear terminals .</i> * <i>T11, T15 ACV input : 10 ACV to 600 ACV .</i> * <i>PT (Potential transformer) adjust value : x 1 to x 100.</i> * <i>T16, T15 ACA input : 0.05 ACA to 10 ACA.</i> * <i>CT (current transformer) adjust value : x 1 to x 200.</i> * <i>Accuracy is test under input signal is sine wave, 50/60 Hz.</i> * <i>Accuracy is specified for the meter only, not include the accuracy of CT (current transformer) and the PT (potential transformer) .</i>