

POWER CONTROLLER/MONITOR

Model : PWA-6065

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

POWER CONTROLLER/MONITOR

Model : PWA-6065

FEATURES

* Professional WATT 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) : Watt : 0 to 6,000 Watt.
* Input signal (without PT, CT) : ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz.
* True rms for WATT measurement.
* 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 Watt indicator KW indicator
Circuit	Custom chip of microprocessor LSI circuit.
Watt measurement	0 - 6,000 W. * True power * w/o PT, CT.
Input signal	ACV : 0 to 600 ACV, 40 to 400 Hz. ACA : 0 to 10 A, 40 to 400 Hz. * w/o PT, CT.
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.
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)
Over input	" - - - - " mark indication.	
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. * 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.	

2-2 Electrical Specifications

Without PT and CT (direct input)

Range	0 W to 6,000 W
Resolution	1 W
Accuracy	± (0.5 % + 5d) reading
Remark :	* Measuring Signal come from the rear terminals . * T11, T15 ACV input : 10 ACV to 600 ACV. * T16, T15 ACA input : 0.05 ACA to 10 ACA. * Accuracy is test under input signal is sine wave, 50/60 Hz. * ACV, ACA frequency response is from 40 to 400 Hz * Watt measurement is True RMS value. * Accuracy value is specified within 23°C ± 5°C

With PT and CT

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

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