POWER CONTROLLER/MONITOR

Model : PWA-6065 *ISO-9001, CE, IEC1010*

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	*Relay 1 :* Control relay.
		Relay 2 : 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	*1st layer setting procedures*	CtLo (Control low limit) CtHi (Control high limit) ALLo (Alarm low limit) ALHi (Alarm high limit)
	Second layer setting procedures	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 ℃.	
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℃ ± 5℃*

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).*