

DC Current CONTROLLER/MONITOR

Model : PDA-6071

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

DC CURRENT CONTROLLER/MONITOR

Model : PDV-6071

FEATURES

* Professional DC Current meter with standard DIN case (96 x 48 mm) and Control / Alarm Function.
* Microprocessor circuit ensures high accuracy and provide special functions and features .
* Measurement DC Current : 200 uA x 0.1 uA / 2 mA x 0.001 mA / 20 mA x 0.01 mA 200 mA x 0.1 mA / 2 A x 0.001 A / 10 A x 0.01 A .
* Measurement range can be adjusted by jumper .
* Fuse overload protection for all ranges.
* Large red LED display ,high brightness and easy to read.
* Control output : 2 point (COM,NO).
* Alarm output : 2 point (COM,NO).
* Control Relay will make action when the reading value reach to control value.
* Hysteresis value setting for control and alarm function .
* RS232 / USB Computer interface .
* Power : 90 ACV – 260 ACV , 50 / 60Hz .
* Option data acquisition software .

GENERAL SPECIFICATIONS

Display	Large LED display. 4 digit LED . 14 mm (0.55 inch) digit height . Unit indicators x 3. PV (process value) indicator SV (set value) indicator Control out indicator Alarm out indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
DCA measurement range (+.-)	200 uA x 0.1 uA, 2 mA x 0.001 mA, 20 mA x 0.01 mA, 200 mA x 0.1 mA, 2 A x 0.001 A, 10 A x 0.01 A. * When order, it should specify the current range, other wise the range will set to the 2A and 10 A as default.	
Accuracy	$\pm (0.3 \% + 5 d)$ reading. @ $23 \pm 5^{\circ}\text{C}$	
Relay Output	Number	2 relays
	Function	Relay 1 : High /Low 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.
Main Internal Function Selection	Control value adjustment : High control point and Low control point . Alarm value adjustment : High alarm point and Low alarm point . Control hysteresis value setting . Alarm hysteresis value setting .	

Over input	" - - - - " mark indication.
Front Panel Function Selection	Measuring value from the actual PV. Control set : point value adjustment from the SV. Alarm set : point value adjustment from the SV .
Zero Adjustment	Automatic adjustment.
Sampling Time	Approx. 0.5 second.
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. 2.13 VA/AC 110V. Approx. 4.06 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

DC Current (+. -)

Range	Resolution	Accuracy
200u A	0.1u A	$\pm (0.3 \% + 5d)$ Reading
2m A	0.001m A	$\pm (0.3 \% + 5d)$ Reading
20m A	0.01m A	$\pm (0.3 \% + 5d)$ Reading
200m A	0.1m A	$\pm (0.3 \% + 5d)$ Reading
2A	0.001A	$\pm (0.3 \% + 5d)$ Reading
10A	0.01A	$\pm (0.3 \% + 5d)$ Reading

Remark :

- * Measuring Signal come from the rear terminals .
- * Max. input : T14 - 2A / T12 - 10A .
- * Accuracy value is specified within $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$
- * The above spec. accuracy are tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.