

DC Current CONTROLLER/MONITOR

Model : PDA-6071

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

DC CURRENT CONTROLLER/MONITOR

Model : PDV-6071

FEATURES

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| * 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 | ± (0.3 % + 5 d) reading. @ 23 ± 5°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 <i>* Real time SD card datalogger DL-9602SD</i> <i>* GSM controller, GSM-889.</i> <i>* Interface cable (cable between meter to GSM-889), GMCB-89.</i> |

ELECTRICAL SPECIFICATIONS

DC Current (+. -)

| Range | Resolution | Accuracy |
|--------|------------|------------------------|
| 200u A | 0.1u A | ± (0.3 %+5d) Reading |
| 2m A | 0.001m A | ± (0.3 %+5d) Reading |
| 20m A | 0.01m A | ± (0.3 %+5d) Reading |
| 200m A | 0.1m A | ± (0.3 %+5d) Reading |
| 2A | 0.001A | ± (0.3 %+5d) Reading |
| 10A | 0.01A | ± (0.3 %+5d) Reading |

Remark :

- * Measuring Signal come from the rear terminals .
- * Max. input : T14 - 2A / T12 - 10A .
- * Accuracy value is specified within 23°C ± 5°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.