

# DCV CONTROLLER/MONITOR

Model : PDV-6070

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*


# DC Voltage CONTROLLER/MONITOR

Model : PDV-6070

## FEATURES

* Professional DCV 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.
* Input ranges : DCV : 199.9 mV to 600.0 DCV, 5 ranges.
* 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 DCV to 264 DCV, 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 V indicator mV indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
DCV measurement ranges	5 ranges : 199.9 mV/2 V/20 V/ 200 V/600 V.	
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 DCV 0.5 DCA/24 DCV   <b>* Do not apply the relay contact load current &gt; 0.5 A, other wise the relay may be damaged permanently without warranty.</b>
Setting Function	<i>1st layer setting procedures</i>	CtLo ( Control low limit ) CtHi ( Control high limit ) ALLo ( Alarm low limit ) ALHi ( Alarm high limit )

Setting Function	<i>Second layer setting procedures</i>	V_PS ( Voltage range setting ) CtHy ( Control hysteresis value setting ) ALHy ( Alarm hysteresis value setting )
Over input	" - - - - " mark indication.	
Zero Adjustment	Automatic adjustment.	
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 DCV, 50/60 Hz.	
Power Consumption	Approx. 3.3 VA/AC 110V. Approx. 4.9 VA/AC 220V. * <i>Under no load</i>	
Weight	259 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. Excel data acquisition software, SW-E802. * Real time SD card datalogger DL-9602SD * GSM controller, GSM-889. * Interface cable ( cable between meter to GSM-889 ), GMCB-89.	

## ELECTRICAL SPECIFICATIONS

Range	199.9 mV/2 V/20 V/ 200 V/600 V.
Resolution	0.1 mV/0.001 V/0.01 V/ 0.1 V/1 V.
Accuracy	± ( 0.5 % + 5d ) reading.
Remark :	* <i>Measuring Signal come from the rear terminals .</i> * <i>For 2 V/20 V/ 200 V/600 V range :</i> <i>T11, T12 max. DCV input : DC 600 V .</i> * <i>For 199.9 mV range :</i> <i>T11, T12 max. DCV input : DC 200 V, 30 seconds..</i> * <i>Accuracy value is specified within 23°C ± 5°C</i>

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

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