

Infrared temperature

IR TEMPERATURE CONTROLLER/MONITOR

Model : PIR-9959

ISO-9001, CE, IEC1010



IR Temp. transmitter, TR-RH2W, optional



LUTRON ELECTRONIC

The Art of Measurement

IR TEMP. CONTROLLER/MONITOR

Model : PIR-9959

FEATURES

* Professional infrared temperature 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 signal : 4 to 20 mA, 2 wires.
* Input sensor : Infrared Temp. transmitter, TR-IR2W.
* Measurement : 0 to 400 °C, °C/°F.
* DC voltage power output for IR Temp. transmitter, TR-IR2W
* 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 . 4 indicators . PV (process value) indicator SV (set value) indicator Control out indicator Alarm out indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
Measurement	0 to 400 °C .	
Temp. unit	°C or °F..	
Input sensor	Infrared Temp. transmitter, TR-IR2W, optional.	
DC voltage output	With DCV output, it will offer the power supply for the IR Temp. transmitter, TR-IR2W.	
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 * Do not apply the relay contact load current > 0.5 A, other wise the relay may be damaged permanently without warranty.
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>	PtSt (PT rate 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	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. 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	°C	0 to 400 °C
	°F	32 to 752 °F
Resolution	°C	1 °C
	°F	1 °F
Accuracy	± (0.5 % + d) reading.	
Remark :	* Accuracy value is specified for the meter only. * Accuracy value is specified within 23°C ± 5°C	

4 to 20 mA IR TEMP. TRANSMITTER

Model : IR-TR2W, optional

