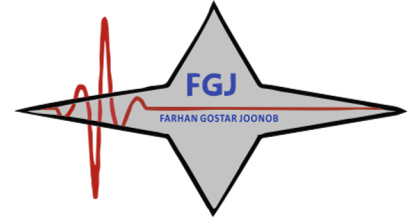


Infrared temperature

IR TEMPERATURE CONTROLLER/MONITOR



پتروفرهان گستر جنوب
Tehran, Tehransar

Model : PIR-9959

ISO-9001, CE, IEC1010



IR Temp. transmitter, TR-IR2W, optional

The Art of Measurement

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IR TEMP. CONTROLLER/MONITOR

Model : PIR-9959

Tehran, Tehransar

FEATURES

- * Input : 4-20 mA DC,
4 mA = 0.0 °C (32.0 °F) or 4 mA = 0 °C (32 °F)
20 mA = 400.0 °C (752.0 °F) or 20 mA = 400 °C (752 °F)
- * User can default the Temp. unit to °C or °F.
- * User can default the resolution of Temp. value to 0.1 degree or 1 degree.
- * When PIR-9959 cooperate LUTRON's 4 to 20 mA IR Temp. transmitters (TR-IR2W) , whole system will become the high performance Controller/Alarm/Indicator of no contact IR Temp. measurement system.
- * Easy to adjust the function factors by push button on the front panel.
- * Control output : 2 points (COM, NO).
- * Alarm output : 2 points (COM, NO).
- * Control Relay will make action when the reading value reach to control value.
- * Hysteresis value setting for control and alarm function.
- * Large red LED display, high brightness and easy to read.
- * Microprocessor circuit ensures high accuracy and provides special functions and features.
- * DC 24V power supply output, used for the power supply external IR Temp. transmitter.
- * RS232/USB computer interface.
- * Power : 90 ACV - 260 ACV, 50/60 Hz.
- * Standard 96 X 48 mm DIN case.
- * Optional data acquisition software.

SPECIFICATIONS

Measurement Range	0.1 °C resolution	0.0 to 400.0 °C
	1 °C resolution	0 to 400 °C
	0.1 °F resolution	32.0 to 752.0 °F
	1 °F resolution	32 to 752 °F
Display	* 4 digits red LED, 14 mm (0.55 inch) digit height	
	* 4 indicators : PV (process value) indicator SV (set value) indicator Control out indicator Alarm out indicator	
	* User can set the Temp. unit to °C or °F with default.	
	* User can set the Temp. value to 0.1 degree or 1 degree with default.	
Input Signal	Linear, 4 to 20 mA * It should cooperate the LUTRON's optional IR Temp. transmitter, TR-IR2W	
Accuracy @ 23 ± 5 °C	Span	± (0.15% + 2d) F.S.
	Zero	± (0.1% + 2d) F.S.
	* F.S. : full scale	
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.
Circuit	Custom chip of microprocessor LSI circuit.	
Sampling Time	Approx. 1 second.	

Main Internal Function Selection	<ul style="list-style-type: none"> * Display resolution setting : 1 degree or 0.1 degree * Low limit of range adjustment : 4 mA = 0.0 for °C. 4 mA = 32.0 for °F. * High limit of range adjustment : 20 mA = 400.0 for °C. 20 mA = 752.0 for °F. * Alarm value adjustment : High Alarm or Low alarm. * Control value adjustment High control or Low control. * Control hysteresis value setting. * Alarm hysteresis value setting. * Filter value of display reading * Offset adjustment. * Gain adjustment. * Temp. unit (C, F) <p>Default of internal function : Without advice previously, the function of PIR-9959 will preset :</p> <ul style="list-style-type: none"> * 4 mA = 0.0, 20 mA = 400.0 * High control mode. * High alarm mode. * Temp. unit is °C.
Front Panel Function Selection	<ul style="list-style-type: none"> * Control set-point value adjustment. * Measuring value (Process value) offset. Use to offset the PV indication from the actual PV. * Alarm set-point value adjustment.
External Power Supply	DC 24 V, 50 mA max.
Data Output	RS 232 PC serial interface.
Operating Temp. and Humidity	Operating Temp. : 0 to 50 °C. Operating Humidity : Less than 80% R.H.
Power Supply	90 to 260 ACV, 50/60 Hz.
Power	Approx. 9.2 VA/AC 110V.
Consumption	Approx. 12.0 VA/AC 220V.
Weight	384 g/ 0.84 LB.
Dimension	DIN size : 96 x 48 mm. Panel cut size : 92 mm x 46 mm. Depth : 110 mm.
Accessories Included	Instruction manual..... 1 PC Case holder with screw..... 2 PCs
Optional Accessories	* Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCB-02. * USB cable, USB-01. * SD card data logger, DL-9602SD.

4 to 20 mA IR TEMP. TRANSMITTER Model : TR-IR2W, optional



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

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