

FLP TEMPERATURE CONTROLLER/ALARM

DPI-01C-F



Polmon's series of Temperature instruments are specially designed and manufactured for the measurement of Temperature in process industries like Chemical, Pharmaceutical, Cement etc. Where Temperature plays a vital role and its measurement & control require being accurate.

Features

- Flame Proof Enclosure for Zone1, Zone2 Gas Gr.IIA, IIB
- 3 wire RTD lead wire resistance compensation
- 3-point calibration for RTD Input
- High Intensity 1", 3 ½ Digit Display
- Sensor open/burn out indication
- Test & Calibration certificate traceable to national standards
- Visual alarm options
- Various optional control modes

Applications

- Bulk Drug Industries
- Pharmaceuticals
- Mines
- Petrochemical Industries
- Typical application areas include Batch process, Oven temperature measurement, boiler, generator etc

Specifications

Technical

Model No	DPI01C-F-X-X-X-X	
No. of Channel	1	
Input Type	RTD Pt100 (DIN 43760 Std.), 3 Wire	
Measuring Range	-50.0°C to 199.9°C (RTD low)	-50°C to 350°C (RTD High)
Resolution	0.1°C	1°C
Accuracy	±0.1 % of FSD±1 count	
Calibration	3 point calibration (0%, 50%, 100% of Full scale)	
Cold junction compensation	NA	
Display	1", 7segment, high intensity Red (3 ½ digit)	
Control Type	On/Off	
Control Modes & Control O/P (Optional Visual Alarm)	Control Modes	Control outputs
	Heat/Cool	1 NO/NC 220V AC , 2 Amp

Power Supply

Input Supply	220V AC, 50 Hz, 10 VA
--------------	-----------------------

Physical

Enclosure	Aluminium Flame Proof and Weather Proof Dual Chamber For Gas Gr.IIA, IIB Explosive atmospheres.
Mounting	Wall mounting
Weight	6.5 Kg (approx.)
Cable Entries	3No's ¾"ET
Glands/Dummy	Not Provided (Order Separately)

Environmental

Operating Temperature	10 to 50 °C
Humidity	10-95%RH, Non-Condensing

Ordering Information for DPI01C

DPI01C	X	X	X	X	X
Model No	Enclosure Type	Input Type	Controller Mode	Output	Digit DPM
DPI01C	F – FLP	1 – RTD Low	1 – Lo (1NO, NC)	**V – Voltage	3 – 3½ digit
		2 – RTD High	2 – Hi (1NO, NC)	C – Current	
		3 – J type	3 – Lo & Hi (2NO, NC)	X – No O/P	
		4 – K type	4 – Dead band (1NO, NC)		
		5 – R type	5 – Visual Alarm (VA)		
		6 – S type	6 – Low & VA (1NO, NC)		
		7 – T type	7 – High & VA (1NO, NC)		
		*8 – 4-20mA	8 – Lo & High & VA (2NO, NC)		
			9 – Dead band & VA (1NO, NC)		
			10 – PID/Relay (1C, NO)		

Note: * Mention the display range
 **Mention the voltage range

MECHANICAL DRAWING OF DPI-01C-F

