



PROCESS CONTROLLER

PIC 38

APPLICATIONS

Pharmaceutical Industries

Extrusion Machinery

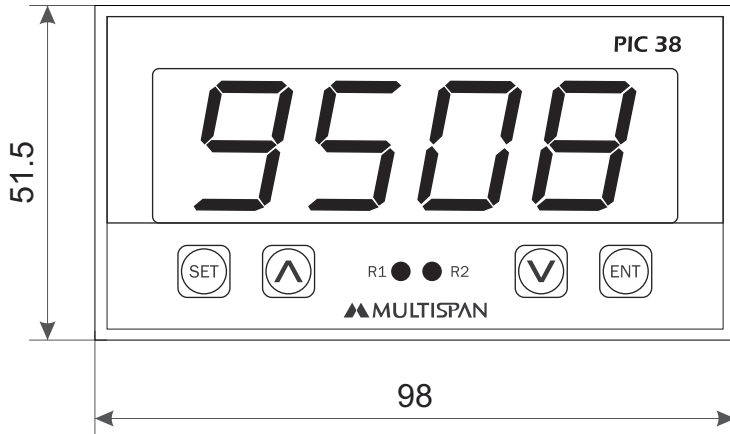
Furnace & Boilers

Ovens & Incubators

Process Industry

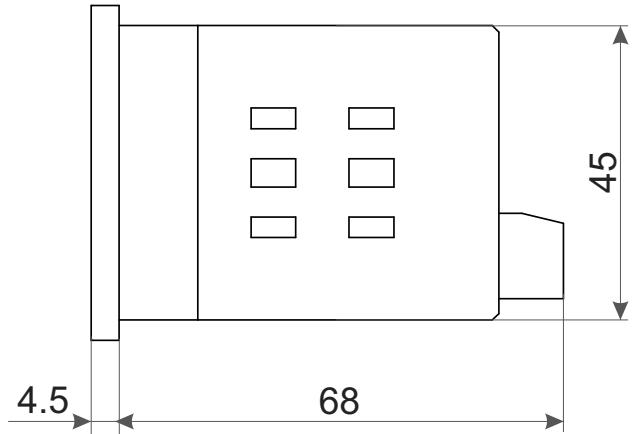
Mechanical Dimensions

Body Dimensions



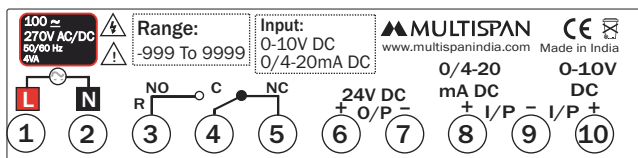
FRONT VIEW

All dimensions are in mm

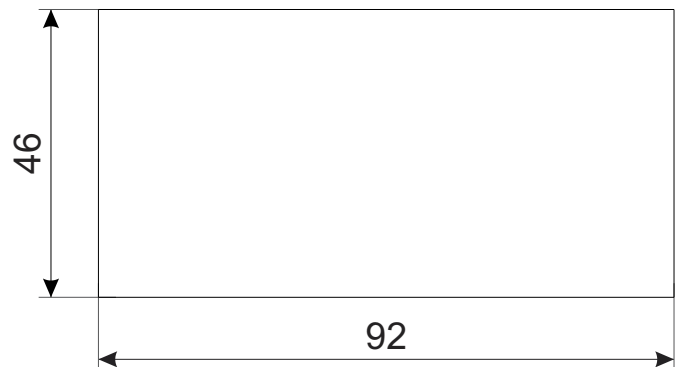


RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



TECHNICAL DATA

Input	0-10V DC, 0-20mA DC, 4-20mA DC (Configurable)	
Range	-999 to 9999	
Output	Output 1	Relay 1 C/O, 5A@230V AC For Resistive Load or SSR 12V DC,20mA
	Output 2	24V DC Transmitter supply
Power Supply	100-270V AC/DC, 50/60 HZ, Approx 4VA	

Input

Input Type	Analog	Voltage : 0-10V DC Current : 4-20mA DC 0-20mA DC
Display Range	-999 to 9999	
Accuracy	± 1% of FSD	
ADC Resolution	10 Bit	
Display Resolution	0.000, 00.00, 000.0, 0000	
Sample Time	600 msec	
Sample Rate For Analog I/P	0.1 Sec To 10 Sec (Configurable)	
CJC Error	± 2 °C	
Sensor Open	Analog: 4 to 20mA (Over)	
Sensor Burnout Current	1.10uA	
RTD Excitation Current	0.2mA	
CMRR	>120 dB (Typical)	
Max Voltage	20V DC	
Response Time	675mS	

Output

Relay Control Output	
Relay	1 Nos, 1 C/O, NO-C-NC
Rating	Relay 1: 5A @230V AC/ 30V DC Resistive Load
Transmitter Supply	
Rating	24V DC @30mA

Power Supply

Standard	100-270V AC/DC, 50/60 Hz
Consumption	4VA

Display, Keys & LED

4 Digit, 7 seg. 0.8" RED LED Display	
SET , INC , DEC , ENT	
LED	Relay 1

Environmental Characteristics

Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Humidity	95% RH Non-condensing
Ingress Protection	IP 65 (Front Side)

Mechanical Characteristics

Mounting Type	Panel Mount
Dimension (HxWxD) mm	51.5 x 98 x 68
Panel Cutout (HxW) mm	46 x 92
Material	Front Enclosure Polycarbonate (PC) ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 160 Packed : 200
Accessories	1 Pair of Mounting Clamps