



PROCESS CONTROLLER

PIC 1102

APPLICATIONS

Pharmaceutical Industries

Extrusion Machinery

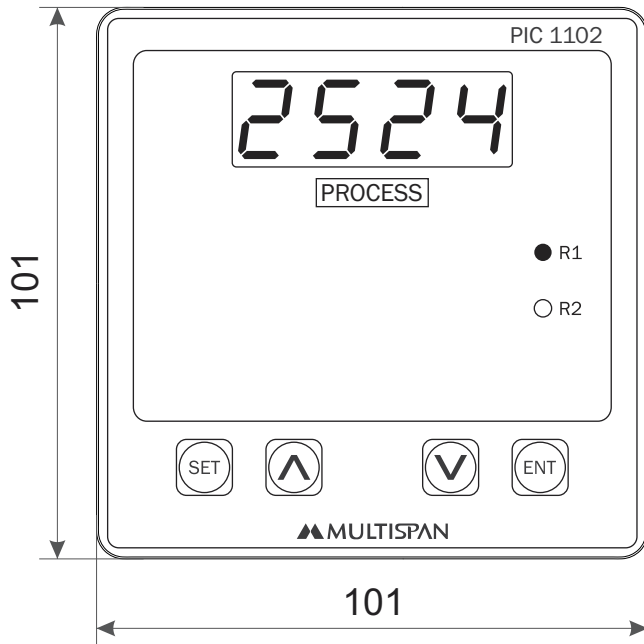
Furnace & Boilers

Ovens & Incubators

Process Industry

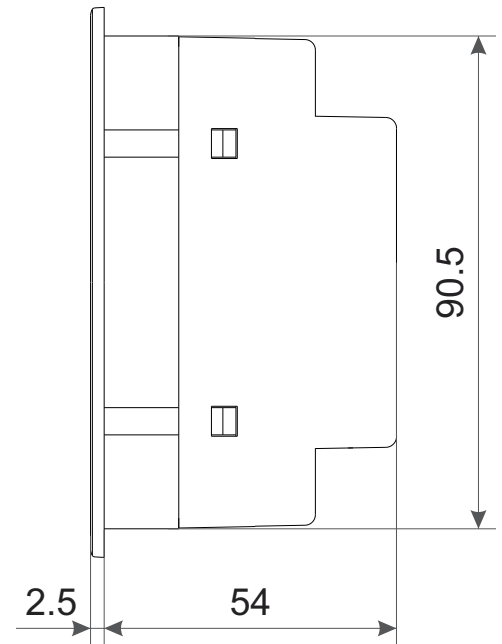
Mechanical Dimensions

Body Dimensions



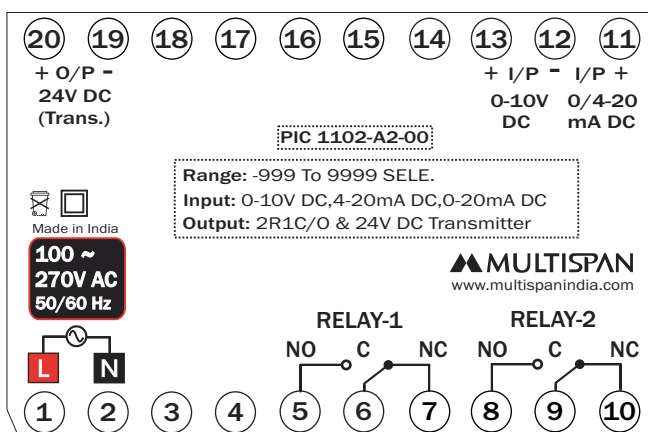
FRONT VIEW

All dimensions are in mm

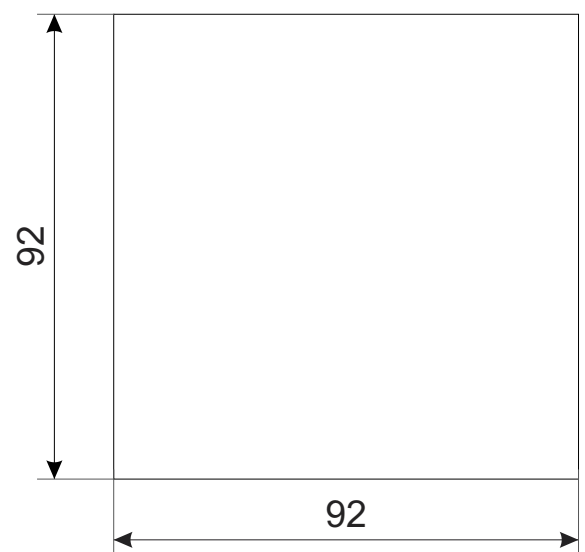


RIGHT SIDE VIEW

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 2 C/O, 5A@230V AC For Resistive Load or SSR 12V DC,20mA
	Output 2	0 to 10V DC / 4 to 20mA DC (Any one factory set) Controlling or Retrans. (Selectable)
	Output 3	24V DC Transmitter supply
Power Supply		100-270V AC, 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

Output		
Relay Control Output		
Relay	2 Nos, 1 C/O, NO-C-NC	
Rating	Relay 1: 5A @230V AC/ 30V DC Resistive Load	
Transmitter Supply		
Rating	24V DC @30mA	
Analog Output		
Current	4-20mA DC	Factory Set Any one
Voltage	0-10V DC	

Power Supply

Standard	100-270V AC @ 50/60 Hz
Optional	24V DC
Consumption	4VA

Display, Keys & LED

4 Digit, 7 seg. 0.56" RED LED Display	
SET , INC , DEC , ENT	
LED	Relay 1 & Relay 2

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	101 x 101 x 54
Panel Cutout (HxW) mm	92 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 : 203 Packed : 233
Accessories	1 Pair of Mounting Clamps