R38

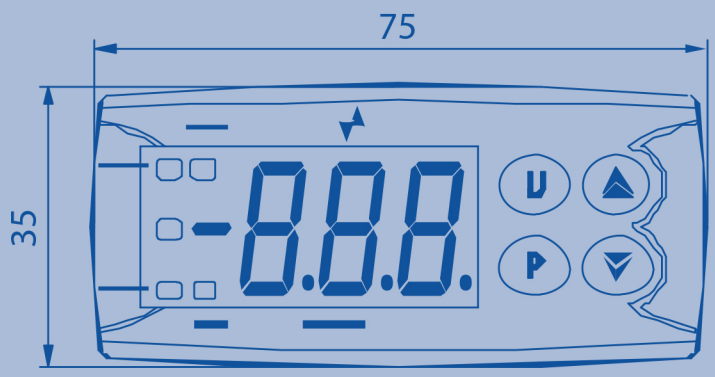
FEATURES

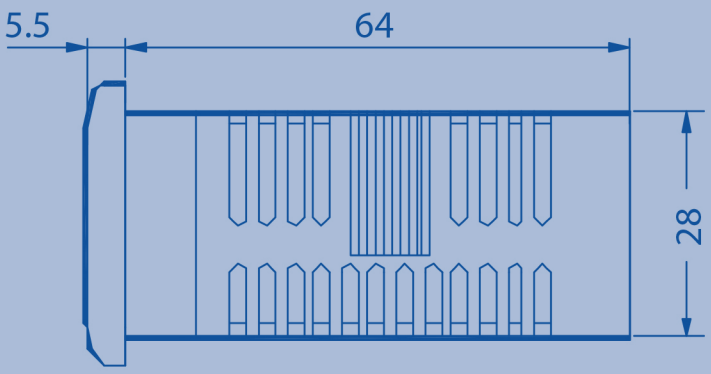
PANEL MOUNT PID CONTROLLER 78MM X 35MM
SIMPLE PROGRAMMING
1 CONFIGURABLE PROBE INPUT
UP TO 2 OUTPUTS
PID AND ON/OFF CONTROL
COMPRESSOR PROTECTION TIMER
AVAILABLE WITH "SENSITIVE TOUCH" KEYBOARD
OPTIONAL EXTRACTABLE TERMINAL BLOCK

SPECIFICATIONS

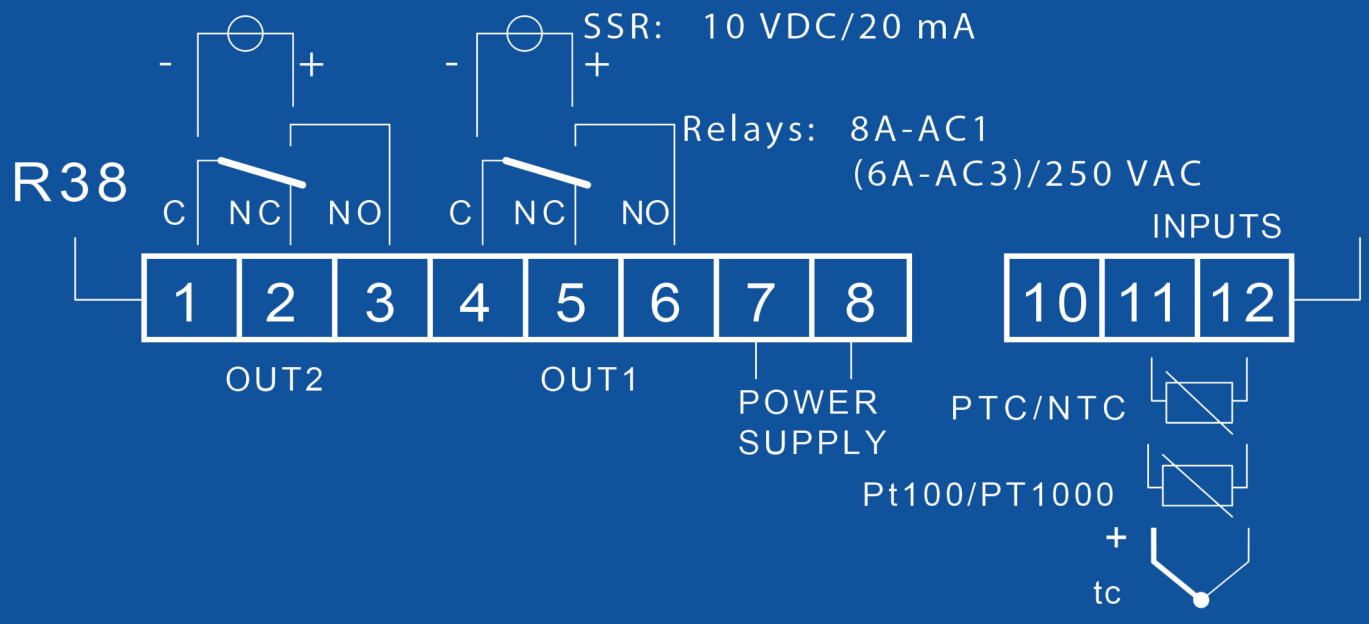
Display	
Dual LED	**Main Display:** 4-digit h 12mm Red LED
Inputs	
Input Options	**Thermocouples:** J (-50... +1000°C/-58... +1832°F), K (-50... +1370°C/-58... +2498°F)
	RTC: Pt100 2 wires or Pt1000 2 wires (-200... +850°C/-328... +1562°F)
	Thermistors: PTC KTY81-121 (-50... +150°C/-58... +302°F), NTC 103-AT2 - 50... +110°C/-58... +230°F)
Measurement Accuracy	±0.5% span ± digit, (±1 digit for T/c type S)
Digital Inputs	None
Outputs	
Up to Two	**OUT1:** Relay SPOT-NO 4A/240 Vac or voltage output for driving SSR, 10V min @ 20mA ±10%
	OUT2: Relay SPST 8A/240Vac or voltage output for driving SSR, 10V min. @ 20Ma ±10%
	Optional internal Buzzer
Functional	
Keypad	Standard Rubber keys or Touch sensitive Capacitive option
Control	PID single, On/Off with Neutral Zone. Autotune
Alarms	Alarms configurable as absolute, deviation, band
Set Point	2 Set points selectable
Serial Communications	TTL (standard) + RS485 (optional), protocol: MODBUS RTU
Communication Speed	1200... 3400 baud selectable (8 bit + 1 stop bit, no parity)
General	
Power Supply	12Vac/dc, 24 Vac/dc ±10%, 100... 240 Vac/dc (-15... +10%), 50/60 Hz, power consumption 6 VA max
Temperature	Operating Temperature: 0... 50°C (32... 122°F)
	Storage Temperature: -20... 70°C (-4... +158°F)
Environmental	20... 95 RH% with no condensation / IP65 FACIA
Conformity	EN 61010-1, EN 61326 c UL us

MEASUREMENTS





ELECTRICAL CONNECTIONS



HOW TO ORDER

USE THIS GUIDE TO FIND THE PART NUMBER OF THE PRODUCT YOU WANT

1 - KEYBOARD

R38 = Standard Keyboard (Mechanical)
R38S = S-touch Keyboard

2 - POWER SUPPLY

F = 12v AC/DC
L = 24v AC/DC
H = 100-240v AC

3 - INPUT

F = TC (J, K)
A = PT100 (2 wires)
T = PTC/NTC/PT1000

4 - OUTPUT 1

R = SPDT 8A-AC1 Relay
O = VDC for SSR

5 - OUTPUT 2

- = Not Available
R = SPDT 8A-AC1 Relay
O = VDC for SSR