



Features

- Selectable sensor Input (T/C & RTD)
- Control Action : PID Control / ON-OFF
- Input Signal Conditioning (Digital Filter & Zero Offset)
- Programmable Lower and Higher Setpoint Limit
- Program Lock function
- Selectable Control Output (Relay / SSR Drive)
- Overshoot Control Protection
- Single Step Ramp
- Time Delay for Compressor
- Universal supply voltage (90 to 270 VAC)
- 24 VDC Available on Request

Display Specification

Digits : 4 Digits Dual Row
7 Segment LED Display

LED Indication : 1 - Control Output Status
: T - Tuning status

Model	Px-418	Px-718
Height		
PV (White)	0.39"	0.70"
SV (Green)	0.24"	0.50"

Input Specification

Sensor Input : Thermocouple - J, K, R, S, N, T, B
RTD - Pt-100

Resolution : T/C - 1°C & Pt-100 - 1°C / 0.1°C

Accuracy : 0.3% FS

Temperature Unit : °C

Sampling Rate : 250msec

Output Specification

Control Output : Relay / SSR Drive
(User Selectable)

Relay : 5A @ 250VAC / 30VDC

SSR Drive : 12 VDC @ 30mA

Functional Specification

Control Action : PID Control / ON-OFF

Control Logic : Heat / Cool

Proportional Band : 0.5 to 99.9°C

Integral Time : 0 to 3600 sec

Derivative Time : 0 to 300 sec

Cycle Time : 1.0 to 100.0 sec

Overshoot Control Point : 0 to 100%

Output Power Limit : 0 to 100%

Hysteresis : J, K, R, S, N, T, B, RTD - 1 to 100°C
RTD.1 - 0.1 to 100.0°C

Delay : 0 to 500 sec

Auxiliary Supply Specification

Supply Voltage : 90 - 270 VAC
(24 VDC Available on Request)

Environmental Specification

Temperature : Operating - 0 to 50°C

Storage : -20° to 75°C

Humidity : 95% RH (Non-condensing)

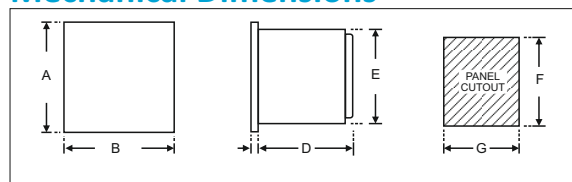
General Description

Model	Px-418	Px-718
Weight (Gms)	150	230

Certification

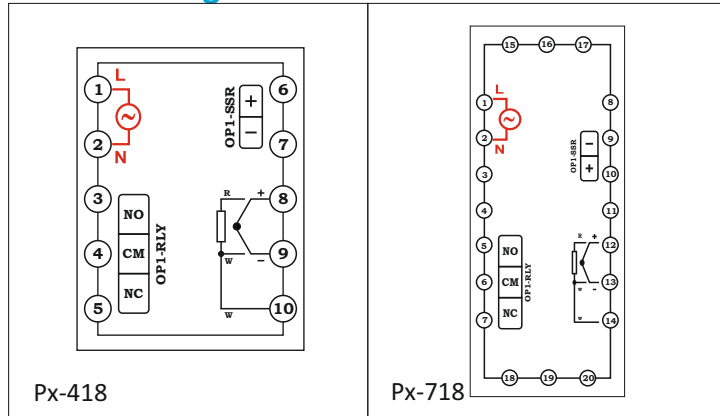
None

Mechanical Dimensions



Dim Model	A	B	C	D	E	F	G
Px-418	48	48	3	70	45	45	45
Px-718	72	72	3	60	68	68	68

Terminal Diagram



Order Code : Px-XXX Series

Size	No. Of Outputs	No. Of Digits	O/P1 Type
4 (48X48X70)	1 (One)	8 Digits	R (Relay)
7 (72X72X60)			S (SSR Drive)

Example : Px-418-R

Size	No. Of Outputs	No. Of Digits	O/P1 Type
4	1	8	R
4 (48X48X70)	One	8 Digits	R (Relay)

Input Sensor Range

Sensor Input	Range	Resolution	Accuracy
Fe-k(J) T/C	0 ~ 760 °C	1 °C	± 1 °C
Cr-AL(K) T/C	-99 ~ 1300 °C	1 °C	± 1 °C
(R) T/C	0 ~ 1700 °C	1 °C	± 1 °C
(S) T/C	0 ~ 1700 °C	1 °C	± 1 °C
TC - N	-99 ~ 1300°C	1 °C	± 1 °C
TC - T	-99 ~ 400°C	1 °C	± 1 °C
TC - B	0 ~ 1800°C	1 °C	± 1 °C
Pt-100(RTD)	-100 ~ 450 °C	1 °C	± 1 °C
Pt-100(RTD.1)	-99.9 ~ 450.0 °C	0.1 °C	± 0.3 °C