

New Products



Digital Temperature Controller

Micro Controller X Series



Large LED Easy to install

PXR3 24X48mm

PXR4 48X48mm

PXR5 48X96mm

PXR9 96X96mm



Large LED



PXW4



PXR4

**Easy to install in panel
with small depth**

Front water proof

RS485 communication

Re-Transmission

Standard

Option

Option



PXR9 *New*
[96x96mm]



PXR5 *New*
[48x96mm]



PXR4
[48x48mm]



PXR3
[24x48mm]



PXW5



PXR5

Size	PXR*1	PXW,Z,V	Depth
24x48	97mm	98mm	△1mm
48x48	78.8mm	93mm*2	△14.2mm
48x96	78mm	100mm	△22mm
96x96	79.5mm	100mm	△20.5mm

*1 When using water proof packing.
*2 When using TP48SB socket.

General specifications

Power supply voltage	100 V to 240 V AC, 50/60 Hz or 24V DC/24V AC (available only on 24 X 48mm type)
Input signal	Thermocouple, Resistance bulb, 1 to 5 V DC, 4 to 20 mA DC
Control output	Relay contact, Voltage pulse (for SSR drive), 4 to 20mA DC
Control action	PID control (with auto tuning, self-tuning). Fuzzy control (with auto tuning)
Input sampling cycle	0.5 sec
Input value offset	±10% of measuring range
Set value offset	±50% of measuring range
Indication accuracy	Thermocouple: ± (0.5% of measuring range) ± 1 digit ± 1°C Resistance bulb, voltage/current: ± (0.5% of measuring range) ±1 digit
Ambient operating temperature	-10°C to 50°C
Mounting method	Panel flush mounting
External terminal	24 X 48mm type: Pluggable terminal other types: screw terminal (M3 screw)
Case material	Plastic
Applied standards	UL, CSA, CE Mark (approval pending for PXR 5 or PXR 9)
Protective structure	Front waterproof structure NEMA4X (IEC standard IP66 equivalent) (mounted on panel with our genuine packing)

Option

Heating/cooling control type (control output 2)	Relay contact: SPST contact, Voltage pulse (for SSR drive), 4 to 20mA DC
Process alarm output	Relay contact, 1 or 2 output
Heater burnout alarm output	Relay contact
Re-Transmission output	24 X 48mm type: not available 4 to 20mA DC (available only on 24 X 48mm type)
Communication function	RS485 (Modbus or Z-ASCII)
Ramp/soak function	Totally 8 ramps/8 soaks.
Digital input	1 or 2 points
Timer function	0 to 9999 sec settable in 1 sec steps



ISO14001
JQA-EM2492



ISO9001
JQA-2275

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