



FUJI PXF SERIES

New-Generation Digital Temperature Controllers



KEY FEATURES

- 1/16, 1/8 & 1/4 DIN sizes
- Fuzzy Logic PID control with Auto-tuning
- Large, bright & clear LCD display
- High Speed & High Accuracy
- 64 Step Ramp/soak function
- NEMA 4X faceplate
- 3 Year Limited Warranty
- Universal Input (TC, RTD, voltage, current)

ISO-9001
MANUFACTURED IN A
QUALITY SYSTEM CERTIFIED
FACILITY.



*Superior Versatility and
Flexibility for a Wide
Range of Applications*



The Fuji Electric PXF4 temperature controller was developed as a successor to the PXR4. It is equipped with multiple input and output options as well as sophisticated control functions making it suitable for a wide range of applications. You can use any input among RTD, thermocouples, voltage, current, and mV. Switching the input is an easy parameter change.

In addition to 9 types of temperature control functions including on-off control, heating/cooling control, and 2-degrees-of-freedom PID, useful functions such as multi-drop control using RS-485 network and simple watt-hour monitoring are available. All these features make PXF practical for any applications.

ORDERING INFORMATION (PXF4, PXF5 & PXF9)

P X F 4 A 6 7 2 - 9 10 11 A 1

To create a part number fill in the boxes above with the appropriate number and/or letter from the corresponding list below.

Box 4: Front Panel Size

- 4 = 1/16 DIN (48x48mm) \$195
- 5 = 1/8 DIN (48x96mm) \$235
- 9 = 1/4 DIN (96x96mm) \$260

Box 6: Control Output 1

- B = Relay contact output 5A, 220VAC¹ N/C
- C = SSR or SSC drive output 11-13V DC N/C
- E = 4-20mA DC output N/C
- P = DC Voltage output \$15

Box 7: Control Output 2

- Y = None N/C
- A = Relay contact output 3A, 220VAC \$35
- C = SSR or SSC drive output 17-25V DC \$35
- E = 4-20mA DC output \$35
- P = DC Voltage output \$35
- R = Retransmission (4-20mA DC) \$50
- S = Retransmission output (DC Voltage) \$50

Box 9: Alarm Options

- 0 = None N/C
- F = 2 points \$30
- M = 3 points \$50
- J = 2 points (independent common) \$30

Box 10: Power Supply

- V = Standard (100-240V AC, 50/60Hz) N/C
- B = 24V AC/DC (50/60Hz) \$30

Box 11: Additional Functions

- Y = None N/C
- S = Digital Input (DI) x 1⁴ \$30
- T = Digital Input (DI) x 2⁵ \$30
- M = RS485 communication (Modbus) \$40
- G = CT input + DI^{2,5} \$75
- V = RS485 communications (Modbus) + DI \$65
- H = Remote SV input + DI^{3,5} \$100
- J = RS485 communications + CT input^{2,4} \$120
- C = RS485 communications + 3 point DI
+ auxiliary alarm output 2 point⁵ \$155
- K = RS485 communications
+ remote SV input^{3,4} \$175

¹ Not available for the 7th code "C," "E," or "P."

² CT input as a heater burnout alarm requires alarm output for it in the 9th code.

³ A current RSV input will require additional 250ohm resistor.

⁴ Not available for the 4th code "5" or "9."

⁵ Not available for the 4th code "4."

Accessories

- | | | | |
|---------|---|-------------|--|
| CTL-6-S | Current transformer for 1-30A \$27 | 485USBTB-2W | USB to RS485 converter \$115 |
| CTL-12 | Current transformer for 20-50A \$35 | PXF4TC | Terminal block protective cover \$15 |



PLASTIC PROCESS EQUIPMENT, INC.

8303 CORPORATE PARK DRIVE
MACEDONIA, OHIO 44056-2300
216-367-7000 • FAX: 216-367-7022
TOLL FREE: 800-321-0562

6385 MONTESSOURI STREET
LAS VEGAS, NEVADA 89113-1186
702-433-6385 • FAX: 702-433-6388
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