



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
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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)	\$165
5 = 1/8 DIN (48x96mm)	\$205
9 = 1/4 DIN (96x96mm)	\$225

Box 6: Control Output 1

B = Relay contact output 5A, 220VAC ¹	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 1 ⁴	\$30
T = Digital Input (DI) x 2 ⁵	\$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}	\$110
C = RS485 communications + 3 point DI + auxiliary alarm output 2 point ⁵	\$155
K = RS485 communications + remote SV input ^{3,4}	\$185

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	\$20	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.

www.ppe.com • e-mail: sales@ppe.com

6385 Montessouri Street, Las Vegas, Nevada 89113
702-433-6385 • 800-258-8877 • Fax: 702-433-6388

11218 Challenger Avenue, Odessa, Florida 33556
727-834-8888 • 800-282-6783 • Fax: 727-834-8873

8303 CORPORATE PARK DRIVE, MACEDONIA (Cleveland), OHIO 44056, USA

216-367-7000 • Toll Free: 800-321-0562 • Fax: 216-367-7022 • Order Fax: 800-223-8305

Toll Free: USA, Canada & Mexico
800-362-0706