

1/8 DIN, DC Power, 4 to 20 mA, Relay, Remote Setpoint and 1 User Input, RS-485 PID Controller

Item number: PXU31DC0

The PXU 1/8 DIN, AC Power, 4 to 20 mA, Remote Setpoint and 1 User Input, RS-485 PID Controller is simple to program with a large, easy to read display that's easy to mount in small areas. Dependable operation in industrial environments. Give your operation full confidence with industry-leading PID control for a range of applications.



A PID controller for basic needs with universal input capability

Features and benefits

- ✓ **PID control you can count on**
Reliable PID control for a range of basic to advanced requirements. Suitable for simple on/off applications or for scenarios requiring full PID control.
- ✓ **Main Control**
4 to 20 mA
- ✓ **Control Input**
Remote Setpoint
- ✓ **Protected dual line display for easy readability**
Dual line display with 4 digits on each line. Large enough for operators to read at a distance. Front panel is dust-proof with IP65 protection.
- ✓ **Simple programming with Crimson® configuration software**
Program multiple units easily with Crimson. No-nonsense configuration is fast and simple through checkboxes and numerical entries.
- ✓ **Runs on DC power**
24 V
- ✓ **Compact packaging**
Economize space with 1/8 DIN packaging designed for areas with reduced depth.
- ✓ **Secondary Control**
Relay
- ✓ **RS-485 connectivity**
Use the RS-485 port to collect process values and display data remotely. Simple setup with Crimson configuration software.
- ✓ **Universal input capability**
Get input and display data easily from pressure transducers, flow meters, current transducers, RTDs and thermocouples. Select input with front panel push buttons or using Crimson configuration software.
- ✓ **Performance indicators and alerts**
Extend performance visibility by enabling status indicators. Configurable for alarm requirements, control features and temperature.

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General

Net Weight (g)	221.1261
Packed Weight (g)	221.1261
Operating Temperature °C Min	0
Operating Temperature °C Max	50
Storage Temperature °C Min	-20
Storage Temperature °C Max	65
Relative Humidity	80% max relative humidity (non-condensing) from 0 °C to 50 °C
Power Consumption (W)	8
Input Voltage (V)	24 V
Maximum Installation Altitude (m)	2000
Mounting	Panel mount
Panel Cut-Out Dimensions	1.76" (44.5 mm) x 3.6" (91.5 mm)
Housing Materials	Plastic
Front Sealing	IP65 requirements for indoor use
Packaging Material	Cardboard
Warranty (years)	2

Identification and Status

Product ID	PXU31DC0
Country of Origin	Taiwan (Province of China)
HS Code	9032890090

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Identification and Status

Dual Usage	No
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Physical Features

Connectors / Input / Output	Terminal, 1x RS485
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SD Card Slot	No
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Flash Drive	No
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Contains Battery	No
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Display Features

Display Size	Line 1 - 0.47" (12 mm); Line 2 - 0.47" (12 mm)
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Display Type	LCD
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Backlight Type	Orange and Green
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Certifications and Standards

Protection Class IP	IP65
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RoHS Compliant	Yes
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CE	Yes
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FCC	No
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UKCA	Yes
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UL	Yes
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ATEX	No
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DNV	No
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KC	No
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Vibration and Shock	Shock: Operational 30 g; Vibration: Operational 10 to 55 Hz, 1 g
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