



1/4 DIN, DC Power, Logic/Relay, CT and 1 User Input, RS-485 PID Controller

Item number: PXU21BE0

The PXU 1/4 DIN, DC Power, Logic/Relay, CT 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.

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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**
 Logic/Relay
- Control Input**
 CT Input
- 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 1/4 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) | 311.8445 |
| Packed Weight (g) | 311.8445 |
| 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 VDC |
| Maximum Installation Altitude (m) | 2000 |
| Mounting | Panel mount |
| Panel Cut-Out Dimensions | 3.58" (91 mm) x 3.58" (91 mm) |
| Housing Materials | Plastic |
| Front Sealing | IP65 requirements for indoor use |
| Packaging Material | Cardboard |
| Warranty (years) | 2 |

Identification and Status

| | |
|-------------------|----------------------------|
| Product ID | PXU21BE0 |
| Country of Origin | Taiwan (Province of China) |
| HS Code | 9032890090 |

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Identification and Status

| | |
|------------|----|
| Dual Usage | No |
|------------|----|

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 |
|------------------|----|

Display Features

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|--------------|--|
| Display Size | Line 1 - 0.87" (22 mm); Line 2 - 0.55" (14 mm) |
|--------------|--|

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|--------------|-----|
| Display Type | LCD |
|--------------|-----|

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|----------------|------------------|
| Backlight Type | Orange and Green |
|----------------|------------------|

Certifications and Standards

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|---------------------|------|
| 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 |
|-----|----|

| | |
|----|----|
| KC | No |
|----|----|

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|---------------------|--|
| Vibration and Shock | Shock: Operational 30 g; Vibration: Operational 10 to 55 Hz, 1 g |
|---------------------|--|