



# 1/16 DIN, DC Power, Logic/Relay, CT and 1 User Input, RS-485 PID Controller

Item number: PXU21BB0

The PXU 1/16 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.



*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 1/16 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)	150.25235
Packed Weight (g)	150.25235
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	1.77" (45 mm) x 1.77" (45 mm)
Housing Materials	Plastic
Front Sealing	IP65
Packaging Material	Cardboard
Warranty (years)	2
Identification and Status	
Product ID	PXU21BB0
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

Analog/Digital	Digital
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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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