

## 1/16 DIN, DC Power, Dual Relay Output, Retransmitted Output, 1 User Input, RS-485 PID Controller

Item number: PXU11CB0

The PXU 1/16 DIN, DC Power, Dual Relay Output, Retransmitted Output, 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**  
Dual Relay Output
- ✓ **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.
- ✓ **Compact packaging**  
Economize space with 1/16 DIN packaging designed for areas with reduced depth.
- ✓ **Secondary Control**  
Relay
- ✓ **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

# 1/16 DIN, DC Power, Dual Relay Output, Retransmitted Output, 1 User Input, RS-485 PID Controller



## 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        | PXU11CB0                   |
| 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 |
|-----------------------------|--------------------|

|              |    |
|--------------|----|
| SD Card Slot | No |
|--------------|----|

|             |    |
|-------------|----|
| Flash Drive | No |
|-------------|----|

|                  |    |
|------------------|----|
| Contains Battery | No |
|------------------|----|

## Display Features

|                |         |
|----------------|---------|
| Analog/Digital | Digital |
|----------------|---------|

|              |  |
|--------------|--|
| Display Size | Line 1 - 0.47" (12 mm); Line 2 - 0.47" (12 mm) |
|--------------|--|

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

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

## Certifications and Standards

|                     |      |
|---------------------|------|
| Protection Class IP | IP65 |
|---------------------|------|

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

|    |     |
|----|-----|
| CE | Yes |
|----|-----|

|     |    |
|-----|----|
| FCC | No |
|-----|----|

|      |     |
|------|-----|
| UKCA | Yes |
|------|-----|

|    |     |
|----|-----|
| UL | Yes |
|----|-----|

|      |    |
|------|----|
| ATEX | No |
|------|----|

|     |    |
|-----|----|
| DNV | No |
|-----|----|

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

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