RedLion®
BY HMS NETWORKS

1/16 DIN, DC Power, Dual Relay Output, Remote Setpoint and 1 User Input, RS-485 PID Controller

Item number: PXU11DB0

The PXU 1/16 DIN, DC Power, Dual Relay Output, 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**

Dual Relay Output

✓ **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 1/16 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
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	PXU11DB0
Country of Origin	Taiwan (Province of China)
HS Code	9032890090
Dual Usage	No

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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