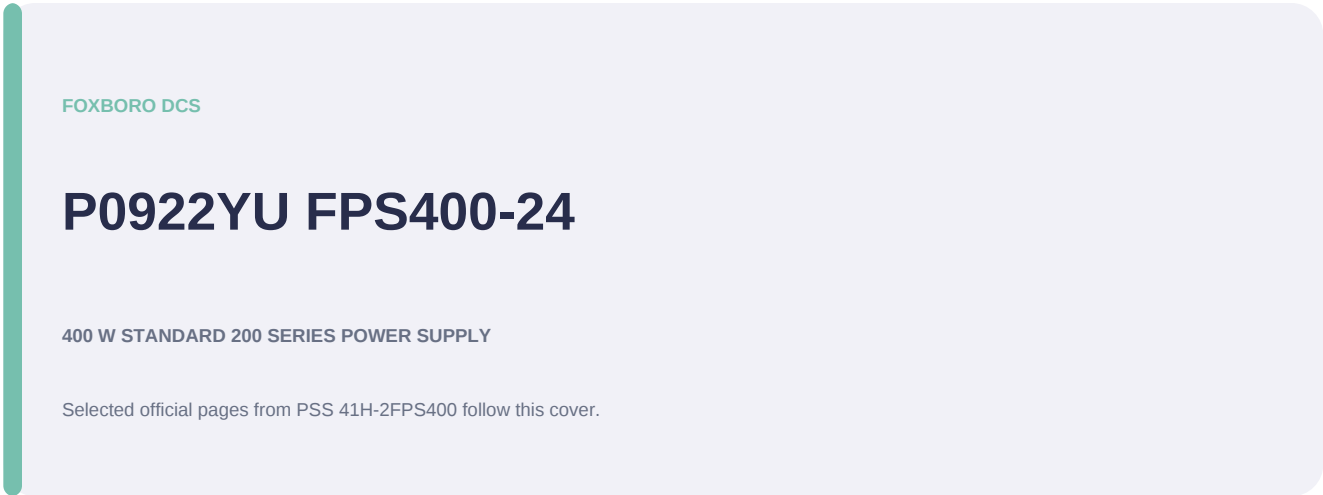


MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official Schneider Electric Foxboro pages

The image shows a light gray rectangular cover with rounded corners. On the left side, there is a vertical teal bar. To the right of this bar, the text "FOXBORO DCS" is written in teal. Below it, "P0922YU FPS400-24" is written in large, bold, dark blue letters. Further down, "400 W STANDARD 200 SERIES POWER SUPPLY" is written in smaller, dark blue letters. At the bottom, a line of smaller text reads: "Selected official pages from PSS 41H-2FPS400 follow this cover."

P0922YU FPS400-24

400 W STANDARD 200 SERIES POWER SUPPLY

Selected official pages from PSS 41H-2FPS400 follow this cover.

OFFICIAL SOURCE

PSS 41H-2FPS400

Original source pagination, color and aspect ratio are retained.



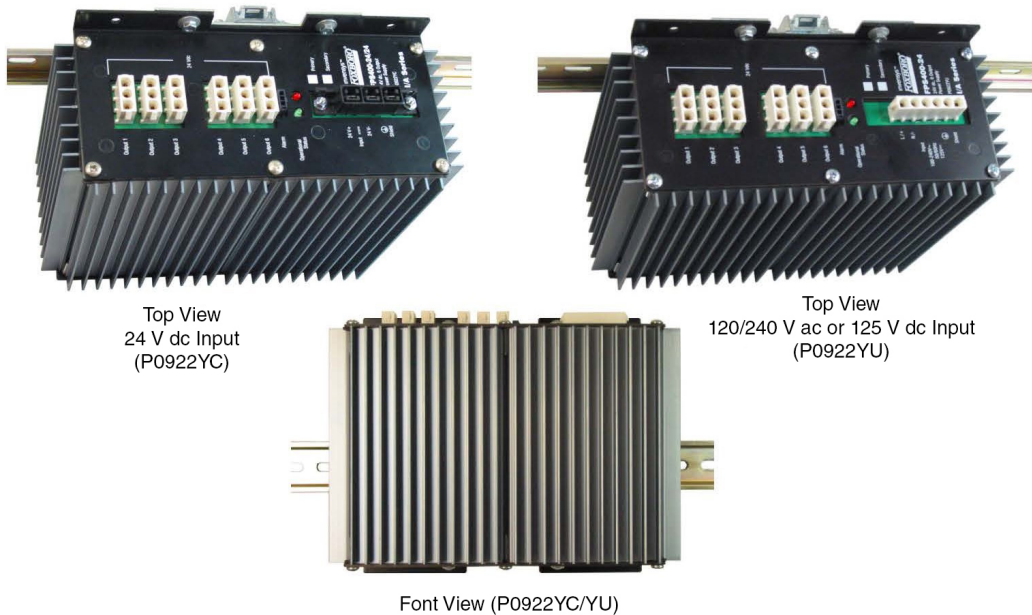
Foxboro™ DCS

Standard 200 Series Power Supply - FPS400-24

PSS 41H-2FPS400

Product Specification

May 2025



Packaging

The robust gasketed design lends itself to minimal maintenance because the housing is sealed and there are no fans to wear out. The sealed gasketed design also provides protection for corrosive atmospheres such as hydrogen sulfides and chlorine, as found in many process control plants. The power supply has a DIN rail mounting bracket for mounting on a horizontal or vertical DIN rail. The bracket can be rotated for horizontal or vertical DIN rail mounting or removed for wall mounting of the power supply.

Status Alarms

Visual LED indicators for undervoltage and normal operating voltage output are contained on the power supplies. To indicate the absence of 24 V DC output, a form C relay output is available to activate an externally powered alarm.

Simplified Wiring

The power supply is designed to be used with special cables (ordered separately) to make installation easy and improve personal safety. See [Physical Specifications](#), page 11.

Functional Specifications

Maximum Ratings	Output Voltage — Factory set at 24.0 V DC
Input Specifications	120/240 V AC or 125 V DC Power Supply (P0922YU) - Input Voltage Range: 85 to 265 V AC or 108 to 145 V DC, 125 V DC nominal (See Table 1, page 8 and Table 3, page 9) - Input Frequency Range: 47 to 63 Hz - Input Current: 5.6 A at 85 V AC input (RMS maximum) 2.5 A at 230 V AC input (RMS maximum) - Efficiency (at Maximum Power, 10A, 24V): 77% minimum at 85 V AC input 85% typical at 120 V AC input 92% typical at 230 V AC input 90% typical at 240 V AC input - Inrush Current: 20 A, at 110 V AC (peak at cold start) 40 A, at 220 V ac (peak at cold start) - Input Power: 453 W typical at 120 V AC, 50/60 Hz 439 W typical at 230 V AC, 60 Hz 441 W typical at 230 V AC, 50 Hz 24 V DC Power Supply (P0922YC) - Input Voltage Range: 18 to 35 V DC, 24 V DC nominal - Input Current: 19.5 A at 24 V DC input - Efficiency (at Maximum Output Power): 85% typical at 24 V DC input - Input Power: 468 W at 24 V DC input typical

Physical Specifications

Mounting	Horizontal or vertical DIN-rail. Use DIN rail clamp (P/N X0175TQ) below the power supply when mounting on a vertical DIN rail. Panel mount with DIN rail mounting bracket and DIN rail clamp removed.
Weight	• Net: 2.67 kg (6.00 lb) • Shipping: 6 kg (11.00 lb)
Dimensions	See Dimensions - Nominal, page 14.
Cooling	Convection cooled (no fans)
Indicators	Red light-emitting diode (LED) indicates output undervoltage (<22 V DC). Green LED indicates when output is within specified operating range (>23.5 V DC).
Finish	• Body and Front Cover: Foxboro DCS system blue - extruded aluminum • Top and Bottom Caps: Black - die cast aluminum

Dimensions - Nominal

