



Turn to the Experts.™

UC Open XP IO

Part Number: OPN-UCXPIO

The UC Open XP IO Expander adds additional I/O point capacity to the UC Open XP Controller. These controllers provide auxiliary building control to interface with lighting, fans, pumps, and other HVAC equipment. The UC Open XP's pre-engineered algorithms provide simple building integration for commercial applications with 24 I/O point capability. When the UC Open XP IO Expander is added to the UC Open XP Controller, up to 24 additional I/O points are available. Together, these controllers support up to 48 total I/O points for even greater flexibility.

Application Features

- Comprehensive library of pre-engineered algorithms available through the ApplicationBuilder Tool
- Supported functions include: Constant Volume (CV) Cooling and Heating Control, Dehumidification, CV Mixed Air Damper Optimization, Fan Control, Pump Control, Lighting Control, Indoor Air Quality, Generic PID Control, Time Scheduling with/without Override, Analog Temperature Control, Discrete Interlock, Discrete Staging Control, Permissive Interlock, Set Point Reset, Optimal Start/Stop, WSHP Loop Control
- Supports Carrier SPT room sensors, which allow for local setpoint adjustment and local overrides

System Benefits

- Integrated Carrier linkage algorithm for plug-and-play integration with Carrier systems
- Fully plug-and-play with the Carrier i-Vu Open Control System
- Supports demand limiting for maximum energy savings

Hardware Features

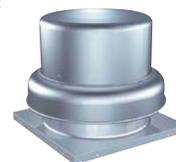
- Expands the UC Open XP Controller to support up to 48 I/O points
- Removable screw terminals for I/O connections
- Versatile mounting options: may be mounted directly onto the UC Open XP enclosure or separately within the mounting enclosure



Boilers



Lighting



Exhaust Fans



Water Loop Control



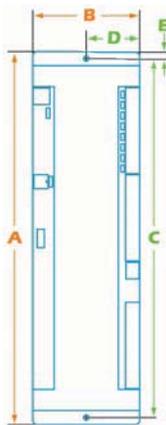
Electric Meters

Specifications

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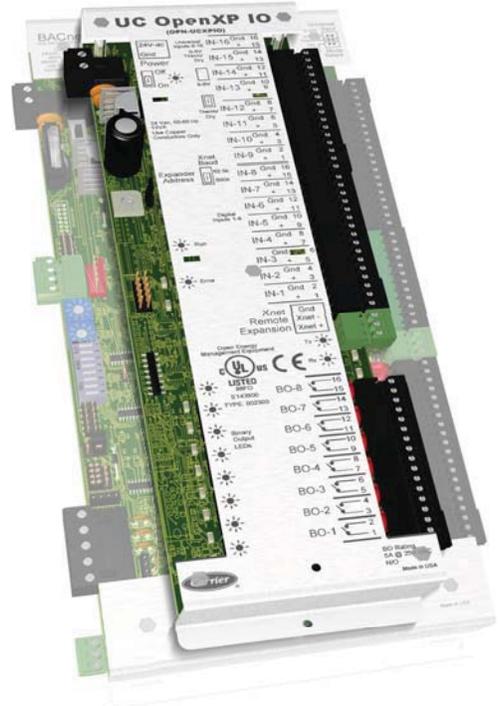
Communication Ports	Xnet Remote Expansion port: For connecting to a UC XP Controller via the Xnet network
Inputs	Eight digital inputs: Inputs 1 through 8 are digital only. The eight digital inputs support pulse counting up to 10 Hz. Eight analog inputs: Inputs 9 through 16 are universal inputs, jumper selectable between thermistor/dry contact and 0 - 5VDC. All analog inputs have 10 bit A/D resolution.
Outputs	Eight relay outputs rated up to 5A at 250VAC, configured as dry contact, normally open
Protection	Incoming power and network connections are protected by non-replaceable internal solid-state polyswitches that reset themselves when the condition that causes a fault returns to normal. The power, network, input, and output connections are also protected against voltage transient and surge events.
Status Indicators	Visual (LED) status of power, outputs, running, and errors
Listed by	FCC, UL (PAZX and PAZX7), and CE
Environmental Operating Range	-20° to 140°F (-29° to 60°C); 10 to 90% relative humidity, non-condensing
Power Requirements	AC rating: 24VAC ± 10% (21.6VAC to 26.4VAC), 50 to 60Hz, 13VA, 0.54A. DC rating: 26VDC, 0.12A, 3W

Dimensions



Overall	Mounting
A: 10-5/8" (26.9 cm)	C: 10-3/16" (25.9 cm)
B: 3" (7.6 cm)	D: 1-1/2" (3.8 cm)
	E: 13/64" (.5 cm)

Depth: 1-12" (3.8 cm) min. panel depth
Weight: 0.73 lbs (0.33 kg)



Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice or without incurring obligations.

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