

Generic I/O Control Panel Technical Specifications

ASP 31-333

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Group: Controls

Part Number: ASP 31-333

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Unit Tag:



MicroTech[®] III Control Panel

Description

The MicroTech III Generic I/O Panel provides configurable inputs and outputs for use in conjunction with the McQuay Delivered VAV System. This panel communicates via BACnet[®] MS/TP and can be set up and monitored through the VAV System's touch screen controller. With the MicroTech III Generic I/O Panel, the Delivered VAV System can be configured to provide hardwired signals to, and/or monitor inputs from, third part devices and sensors.

Use the MicroTech III Generic I/O Panel along with ancillary control features in the Delivered VAV System to create custom control sequences unique to your building.

Features

- Power supply AC 24 V or DC 24 V
- 8 configurable analog I/Os
 - 4 analog outputs 10V or 25mA
 - 1 analog output 10V
 - 3 analog inputs 10V, 25mA, NI1000, PT1000, I-R2500, NTC10K, or NTC100K
- 3 analog inputs NTC 10k or NTC 100k
- DC 24 V and DC 5 V power supply for active sensors on board
- 2 digital inputs for potential-free contacts
- 2 digital inputs galvanically isolated AC 24 V
- 2 digital inputs galvanically isolated AC 115V
- 8 relay outputs (6 NO contacts, 2 relays switching type)
- 2 triac outputs (AC 24 V)
- SD card interface for application and operating system upgrade
- Operating temperature: -4°F to 140°F (-20°C to 60°C)

Specifications

Controller

Inbuilt HMI:

- LCD with white backlight (144 x 64 dots)
- 5 line by 22 characters display
- Roll-and-push knob navigation, 3 function buttons

Main Controller:

- Dimensions: 207 x 110 x 79 mm
- Housing: Plastic, light-grey RAL 7035

I/O Connectors:

- Plug-in terminals: clamp
- Grid: 5mm
- AWG min/max: 26/14

Power Requirements:

- 15VA plus loads

BACnet MS/TP Communication Card - RS-485 (EIA-485):

- Bus connection/electronics: galvanically isolated
- Bus connection: A+, B-, REF (3 wires)

Control Panel

Panel:

- IP65, NEMA 4 rugged plastic

Network Connection:

- Shielded twisted pair wire for BACnet connection

Power:

- 120V AC wall source
- Phase: 1
- Frequency: 60Hz
- Terminal type: strip wire spring terminal
- AWG min/max: 22/12

Transformer:

- 120/24VAC, 75VA

Dimensions:

- 15.3 in. (389 mm) Wide x 17.36 in. (441 mm) High x 6.25 in. (159 mm) Deep

