

▶ 03-DIN

03-DIN-8xP: 8 Universal I/O Module

Description

The 03-DIN-8xP is an I/O module for the 03-DIN system. Its 8 universal points can be configured to create the exact combination of inputs and/or outputs for a given application. When expansion is needed in the future, it's as easy as adding more modules to an existing system.



Application

The 03 system is a complete solution that combines HVAC, access control and lighting control in a modular system. It combines multiple protocols and I/O points in one unit.

The 03 system improves room control, avoids duplicate devices and offers a satisfying occupant experience at a lower energy cost.

Features

- ▶ 8 Universal points that can be configured as inputs or outputs
- ▶ Software configurable I/O
- ▶ Support for lighting applications with dimming
- ▶ DIN rail mountable (EN 50022-35x7.5)
- ▶ Modular design provides flexibility, ease of service and reduces cost of future upgrades and expansions.

Specifications

Universal Points

Up to 8 inputs (16 bit), supporting:
0-5 VDC
0-10 VDC
10 k Ω Thermistor
Dry Contact (using 10 k Ω Thermistor software setting)
4-20 mA (using external 250 Ω resistor on 0-5 V setting)

Up to 8 outputs (12 bit), supporting:
0-10 V @ 20 mA max (sourcing)
1-10 V @ 10 mA max (sinking)

Connectors

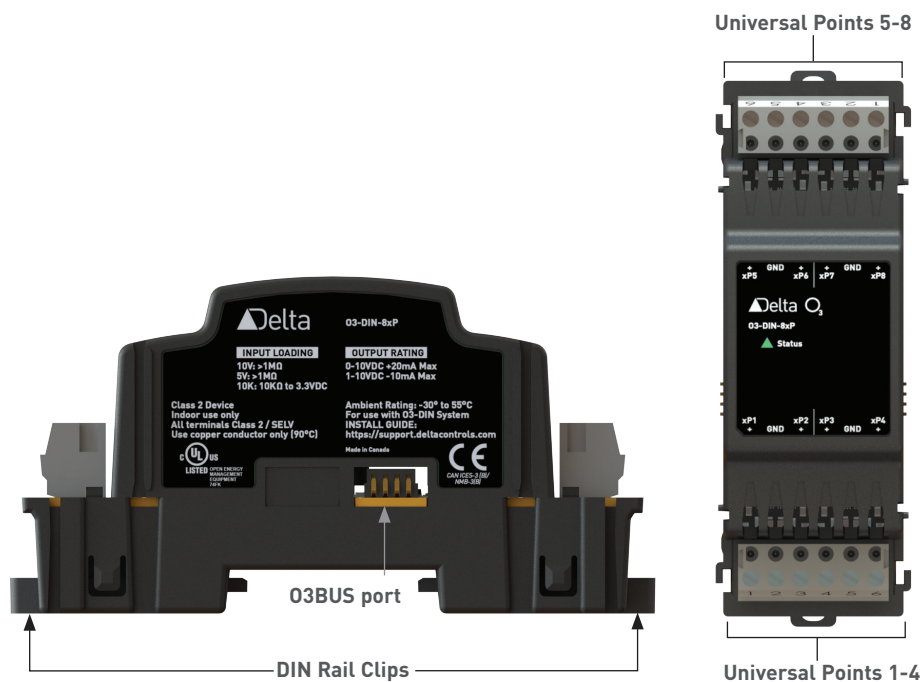
Removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

03-DIN

03-DIN-8xP: 8 Universal I/O Module



Specifications (Continued)

Power

24 VDC, 4W max with fully loaded outputs*

* I/O module power is internally supplied from a 03-DIN-CPU through the 03BUS port.

Communication Port

03BUS port

Ambient

-30° to 55°C (-22° to 131°F)
10 to 95% RH (non-condensing)

Dimensions

36 x 111 x 58 mm
(1.42 x 4.37 x 2.28 in.)

Weight

72.9 g (0.161 lb)

Compliance

CE
FCC

Listings

UL 916 Listed

BACnet is a registered trademark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Published February 2018_r

Order the 03-DIN system base unit with one or more modules:

Base Unit

03-DIN-CPU	CPU base unit: 3 network ports, dual Ethernet ports, 3 Power Out, Bluetooth, Modbus RTU support, NFC
------------	--

Module Options

03-DIN-8xP	I/O module: 8 Universal I/O, input (0-10V, 0-5V, 10K) or output (20mA source, 10mA sink)
03-DIN-DALI	DALI lighting module: DALI interface, 100mA power output

Power Supply

DRC-24V30W1AZ	Chrome Line Voltage DC power supply 24V 30 Watt Class A EMC
DRC-24V60W1AZ	Chrome Line Voltage DC power supply 24V 60 Watt Class A EMC
DRC-24V100W1AZ	Chrome Line Voltage DC power supply 24V 100 Watt Class A EMC
DRS-24V30W1NZ	Sync Line Voltage DC power supply 24V 30 Watt Class B EMC
DRS-24V50W1NZ	Sync Line Voltage DC power supply 24V 50 Watt Class B EMC
DRS-24V100W1NZ	Sync Line Voltage DC power supply 24V 100 Watt Class B EMC

Subject to change without notice.