

# ▶ 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 $\Omega$  thermistor  
Dry contact (using 10 k $\Omega$  thermistor software setting)  
4–20 mA (using external 250  $\Omega$  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

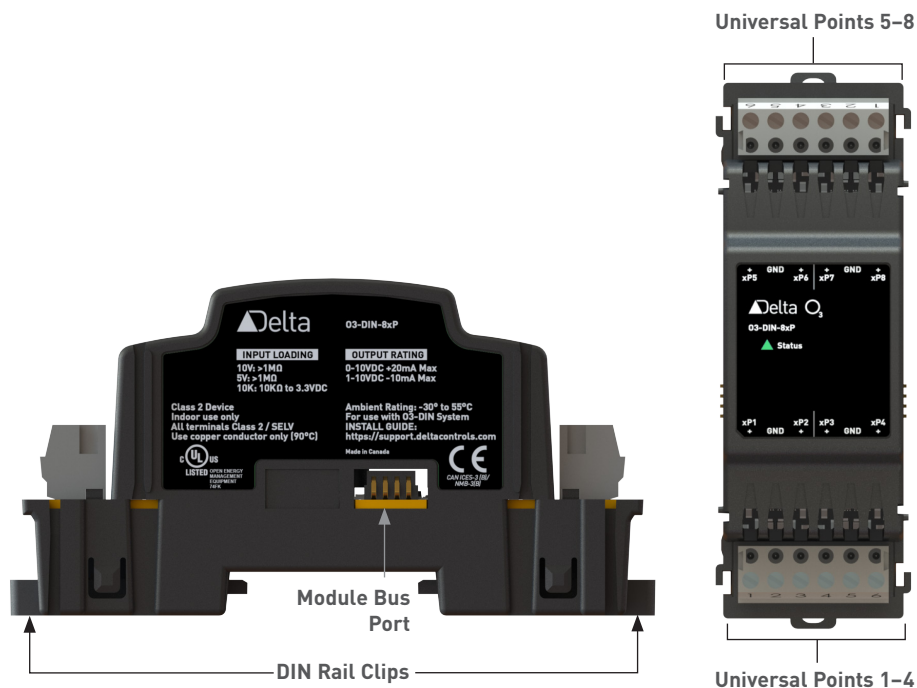
Class 2 / SELV

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Updated September 2018\_r

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### Specifications (Continued)

#### Power

24 VDC, 4 W max with fully loaded outputs\*

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

#### Ambient Rating

-30°C to 55°C (-22°F to 131°F)

10% to 95% RH (non-condensing)

#### Dimensions

36 × 111 × 58 mm

(1.42 × 4.37 × 2.28 in.)

#### Weight

72.9 g (0.161 lb)

#### Compliance

CE  
FCC  
EAC

#### Listings

UL 916 Listed



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

#### Base Unit

03-DIN-CPU	CPU base unit: 3 network ports, 2 Ethernet ports, 3 Power Out, Modbus RTU support, NFC
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#### Module Options

03-DIN-8xP	I/O module: 8 universal I/O, input (0-10 V, 0-5 V, 10K) or output (20 mA source, 10 mA sink)
03-DIN-DALI	DALI lighting module: DALI interface, 100 mA power output
03-DIN-SMI	SMI module for blinds: SMI interface, 30 mA power output

#### Power Supply

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

Subject to change without notice.