

▶ 03-DIN

03-DIN-4F4xP: 4 FET I/O Module

Description

The 03-DIN-4F4xP module is a flexible I/O module that is designed to control a variety of loads. The module's FET outputs can drive high-current relay coils and can switch either AC or DC power.

In a lighting controller application, a single 03-DIN-4F4xP module can drive 2 bi-stable relays, power 0-10 V dimming ballasts, and provide input points for sensors or switches.



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

- ▶ 4 binary FET outputs
- ▶ 4 universal points that can be software configured as inputs or outputs
- ▶ 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 4 inputs (16-bit) supporting:
0-5 VDC
0-10 VDC
10 kΩ thermistor

Up to 4 outputs (16-bit), supporting:
0-10 VDC @ 20 mA max (sourcing)
1-10 VDC @ 10 mA max (sinking)

Outputs

4 FET binary outputs
24 VAC or DC @ 0.5 A max each

Connectors

Removable screw-type terminal connectors

Wiring Class

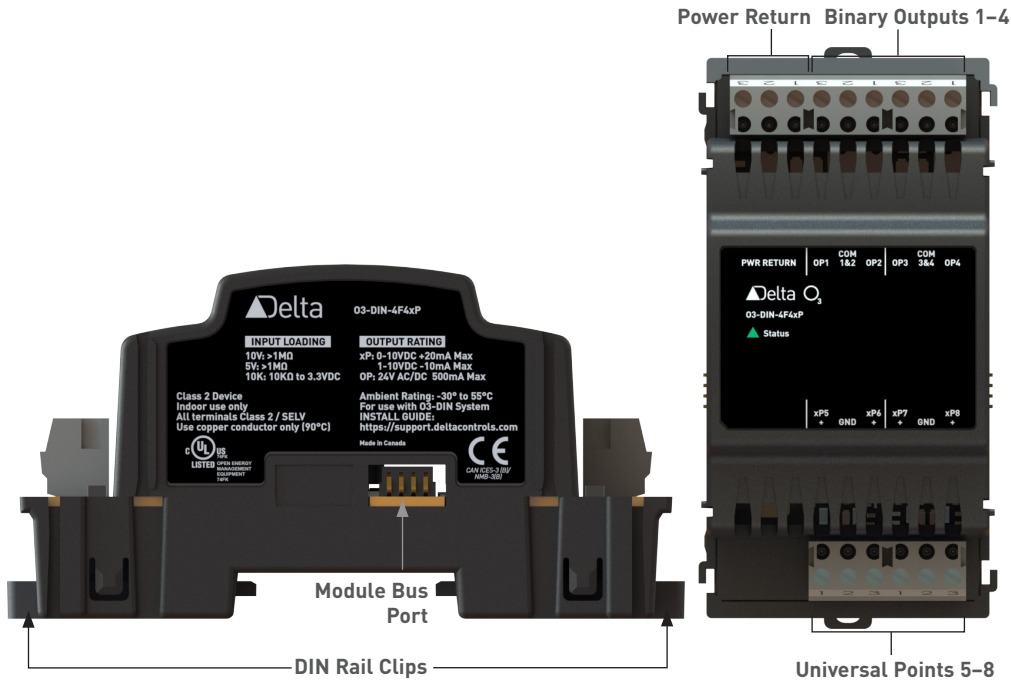
Class 2 / SELV

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Specifications (Continued)

Power

24 VDC, 2.5 W max with fully loaded universal points*

* Internally supplied from a 03-DIN controller through the module bus port.

Ambient Rating

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

Dimensions

54 × 111 × 58 mm
(2.13 × 4.37 × 2.28 in.)

Weight

105 g (0.23 lb)

Compliance

CE
FCC

Listings

UL 916 Listed

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

Base Units

03-DIN-CPU	Base unit: 3 network ports, 2 Ethernet ports, 3 power outputs, Modbus RTU, NFC
03-DIN-SRC	Base unit: 2 network ports, 2 Ethernet ports, 1 power output, Modbus RTU, NFC

Modules and Hubs

03-DIN-4F4xP	I/O module: 4 universal I/O, 4 FET binary outputs (500 mA, AC or DC)
03-DIN-8xP	I/O module: 8 universal I/O, input (0–10 V, 0–5 V, 10K) or output (0–10 V, 20 mA source, 10 mA sink)
03-DIN-ACCESS	Access module, single door support
03-DIN-DALI	DALI lighting module: DALI interface, 100 mA power output
03-DIN-PoE	Power over Ethernet module (IEEE 802.3at)
03-DIN-PWRINJ	Power injector module for 03 expansion supporting up to 4 modules
03-DIN-SMI	SMI module for motorized blinds: SMI interface, 30 mA power output
03-HUB	Sensor hub (temperature, humidity, light, motion, Bluetooth, LED ring, microphone and speaker) with mounting plate
03-HUB-En868	Sensor hub (temperature, humidity, light, motion, Bluetooth, EnOcean 868 MHz, LED ring, microphone and speaker) with mounting plate
03-HUB-En902	Sensor hub (temperature, humidity, light, motion, Bluetooth, EnOcean 902 MHz, LED ring, microphone and speaker) with mounting plate

Subject to change without notice.

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Power Supplies

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