O3-DIN

O3-DIN-PoE: Power over Ethernet Module

Description

The O3-DIN-PoE module adds new Power over Ethernet (PoE) capabilities to the O3 system. Using PoE switches, you can supply both data and power to the system over a single CAT5e or CAT6 cable, removing the need for line voltage power.

As the IoT revolution continues to transform buildings and infrastructure, PoE backbones are becoming increasingly common. The O3 system is the only room control solution on the market today that provides not only lighting control over PoE but also HVAC and integration.

Application

The O3 system is a complete solution that combines HVAC, access control and lighting control in a modular system.

With a growing number of building control applications using PoE, integrating a room with the O3 system is easier than ever. Simply add the O3-DIN-PoE module to an O3-DIN-CPU or O3-DIN-SRC controller wherever PoE is available.

Features

▶ Powers a single O3-DIN controller and up to 4 O3-DIN modules

▶ Small footprint, DIN rail mountable

▶ LED status indicator for module status

Specifications

PoE Power In
802.3at-2009 Type 1 PoE switch:
    37–57 VDC, 12.95 W

802.3at-2009 Type 2 PoE+ switch:
    42.5–57 VDC, 25.5 W

Power Out
802.3.at-2009 Type 1 PoE switch:
    24 VDC, 458 mA (11 W)

802.3.at-2009 Type 2 PoE+ switch:
    24 VDC, 875 mA (21 W)

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
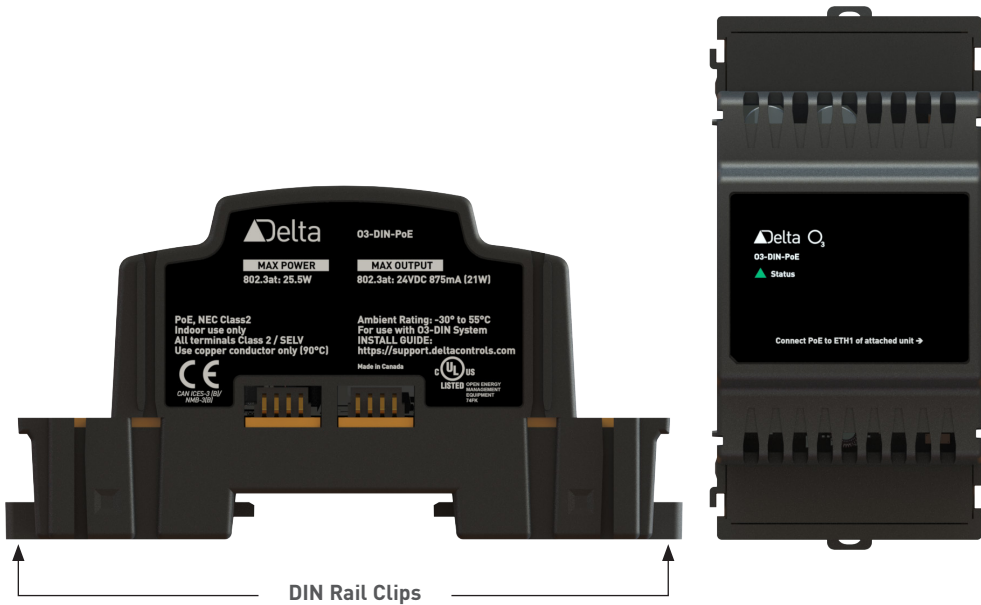105 g (0.23 lb)

Compliance
CE
FCC

Listings
C-UL Listed
UL 916 Listed

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DIN Rail Clips

Order an O3-DIN system base unit with one or more modules or hubs:

Base Units

O3-DIN-CPU	CPU base unit: 3 network ports, 2 Ethernet ports, 3 power outputs, Modbus RTU, NFC
O3-DIN-SRC	CPU base unit: 2 network ports, 2 Ethernet ports, 1 power output, Modbus RTU, NFC

Modules and Hubs

O3-DIN-PoE	Power over Ethernet module
O3-DIN-4F4xP	FET I/O module: 4 universal I/O, 4 FET binary outputs
O3-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)
O3-DIN-ACCESS	Access module, single door support
O3-DIN-DALI	DALI lighting module: DALI interface, 100 mA power output
O3-DIN-SMI	SMI module for motorized blinds: SMI interface, 30 mA power output
O3-HUB	Sensor hub (temperature, humidity, light, motion, Bluetooth, LED ring, microphone and speaker) with mounting plate
O3-HUB-En868	Sensor hub (temperature, humidity, light, motion, Bluetooth, EnOcean 868 MHz, LED ring, microphone and speaker) with mounting plate
O3-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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