

▶ 03-DIN

03-DIN-SRC

Description

The 03-DIN-SRC is a fully programmable native BACnet® building controller. As a primary integration engine of the 03 system, the 03-DIN-SRC contains memory storage and external communication ports, as well as the control logic for the expansion modules. The 03-DIN-SRC can support up to 4 expansion modules.

The 03-DIN-SRC supports multiple communication methods, including BACnet/IP, BACnet over Ethernet, BACnet MS/TP and Delta LINKnet.



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.

The 03-DIN-SRC single room controller is ideal for cost-sensitive applications where core features and single serial port connectivity are required.

Features

- ▶ Fully programmable
- ▶ BACnet/IP, BACnet over Ethernet and BACnet MS/TP communication ports
- ▶ Dual Ethernet ports
- ▶ Modular, expandable I/O. Modular design provides flexibility, ease of service and reduces cost of future upgrades.
- ▶ Fault detection and diagnostics
- ▶ Firmware upgrade and database load/save over the network
- ▶ LED indicators for device status, NET and Ethernet ports
- ▶ USB expansion ports
- ▶ DIN rail mountable (EN 50022-35x7.5)

Specifications

BACnet Protocol Rev 14

BACnet Device Profile

BACnet Building Controller (B-BC)

Device Addressing

Software addressed

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

Power

24 VDC, 2 W typical (7 W max)

24 VDC, 100 W max output fully loaded

Power Out

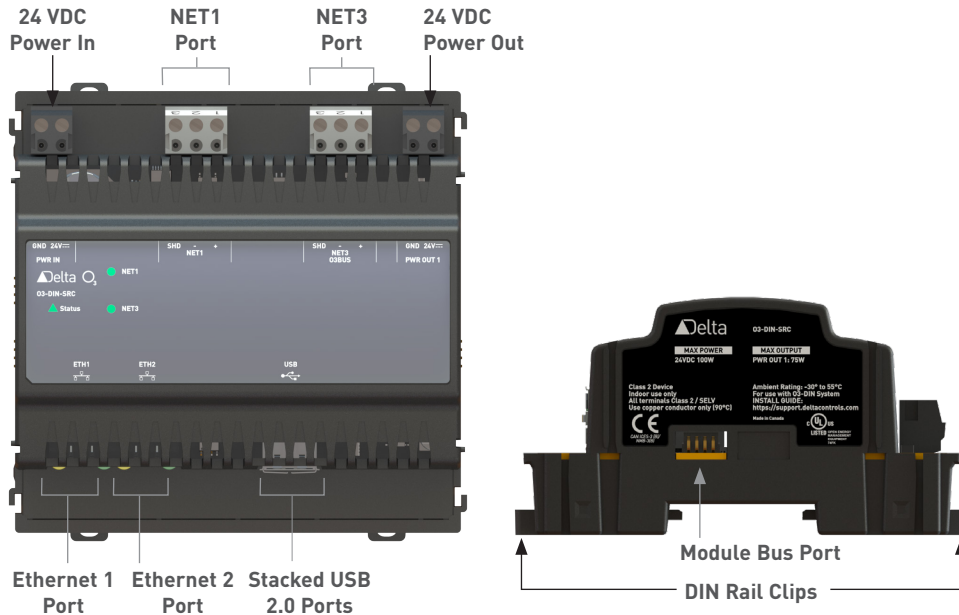
75 W max

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Order the 03-DIN-SRC with one or more modules or hubs:

Base Unit

03-DIN-SRC	CPU base unit: 2 network ports, 2 Ethernet ports, 1 power output, Modbus RTU, NFC
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Modules and Hubs

03-DIN-4F4xP	FET I/O module: 4 universal I/O, 4 FET binary outputs
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-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
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

Specifications (Continued)

Technology

Arm® Cortex®-A8
 32-bit 600 MHz RISC CPU
 256 MB DDR3L RAM
 4 GB eMMC flash memory
 Real-time clock
 Supercapacitor power backup for RTC and CPU

Communication Ports

2 Ethernet (10/100-Base T)
 BACnet/IP, BACnet over Ethernet

1 RS-485 port supporting up to 4 devices with the following protocols:
 BACnet MS/TP up to 76800 bps
 Delta LINKnet up to 76800 bps
 Modbus RTU up to 115200 bps

1 03BUS port (CAN-based) supporting up to 2 03-HUB devices

2 USB 2.0 ports

NFC, passive, two-way, short range

Ambient Rating

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

Dimensions

108 × 111 × 58 mm
 (4.25 × 4.37 × 2.28 in.)

Weight

193 g (0.425 lb)

Enclosure Protection Rating

IP20

Compliance

CE
 FCC

Listings

UL 916 Listed

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