

Zone Gateways

CON-ENOC

Description

The CON-ENOC EnOcean® Wireless Zone Gateway uses customized controller firmware to bring EnOcean wireless data into the BACnet system. EnOcean wireless data is recognized as either inputs, or variables, for maximum system flexibility. The EnOcean Wireless Zone Gateway solution consists of an RS485 gateway and a Delta Controls controller.



Features

► EnOcean Devices

Experience wireless flexibility; up to 32 devices are supported on a Delta Controller with the EnOcean Zone Gateway.

► EnOcean Enabled Controllers

EnOcean wireless support is added to the eBCON, DAC, and DSC product lines through a firmware upgrade. Field installed controllers can be upgraded to add EnOcean support to existing installations.

► Save and Load EnOcean Device Configurations

Once an EnOcean device is configured in the controller, it can be saved and used in other controllers. A configuration can be saved for each type of EnOcean device.

► Simple EnOcean Connection

Relevant network information for an EnOcean wireless device is shown in the Delta gateway when joining an EnOcean device. This ensures that the correct EnOcean device is joining the network.

Application

The CON-ENOC EnOcean Wireless Zone Gateway is ideal for zone level wireless installations. The Zone Gateway can be added to most Delta controllers and can provide multiple types of sensor data to a zone as well as control a single output device within the zone.

The primary function of this solution is for zone level control including sensors (temperature, setpoint, motion, contacts, etc) and outputs (valves, perimeter heat, lighting, etc.).

Specifications

Technology

EnOcean Radio
TCM300 (315 MHz, 868 MHz and 902 MHz)

LED indication of Power, Controller Communication and Wireless Radio Activity

Communications Ports

RS-485
EnOcean ESP3 (EnOcean Serial Protocol)
@ 38,400 bps (maximum of one CON-ENOC per controller)

Connectors

24" (61 cm) Wire whip with stripped and pre-tinned ends

Enclosure

2 piece snap fit housing with quick peel adhesive mounting pads

Antenna

5.9" (15 cm) Wire whip (315 MHz)

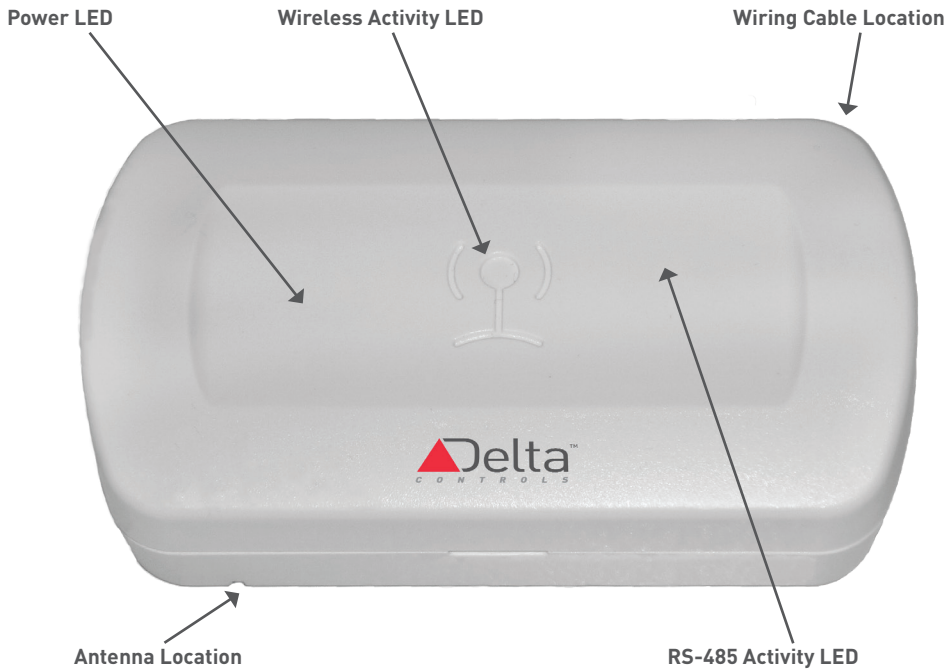
3.4" (8.6 cm) Wire whip (868 MHz)

2.5" (6.4 cm) Wire whip (902 MHz)

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Zone Gateway

CON-ENOC: Board Layout Diagram



Specifications (Continued)

Wiring Class

Class 2 / SELV

Power

24 VAC/DC +/- 10%

2 VA

Ambient

32° to 131°F (0° to 55°C)

10 - 90% RH (non-condensing)

Dimensions

8 ⁹/₁₆ x 4 ¹/₄ x 1 ¹⁵/₁₆ in.

(21.8 x 10.7 x 4.9 cm) with housing

0.80 lb. (360 g) with housing

Compliance

CE

FCC

SZV-STM300C

SZV-STM300U

IC

5713A-STM300C

5713A-STM300U

Listings

C-UL

UL 916

Ordering

CON-ENOC-315	Delta Controls EnOcean Zone Gateway, supporting 32 devices, 315 MHz North America
CON-ENOC-868	Delta Controls EnOcean Zone Gateway, supporting 32 devices, 868 MHz Europe
CON-ENOC-902	Delta Controls EnOcean Zone Gateway, supporting 32 devices, 902 MHz North America

Accessories

Accessories are available on Online Orders. Delta Controls represents the following manufacturers of EnOcean wireless products.

- Echoflex
- Thermokon

Subject to change without notice.

Zone Gateway

EnOcean Product Selection Guide

Country	315 MHz	868 MHz	902 MHz	Country	315 MHz	868 MHz	902 MHz	Country	315 MHz	868 MHz	902 MHz
Albania	N	Y	N	Guadeloupe	N	Y	N	Puerto Rico	Y	N	Y
Anguilla	N	Y	N	Guam	Y	N	N	Reunion	N	Y	N
Argentina	N	N	N	Hong Kong	Y	N	N	Romania	N	Y	N
Aruba	N	Y	N	Hungary	N	Y	N	Russia	N	N	N
Australia	N	N	N	India	Y	N	N	Saint Martin	N	Y	N
Austria	N	Y	N	Ireland	N	Y	N	Saudi Arabia	N	Y	N
Bahrain	N	Y	N	Israel	Y	N	N	Serbia	N	Y	N
Bangladesh	N	Y	N	Italy	N	Y	N	Singapore	N	Y	N
Belgium	N	Y	N	Japan	N	N	N	Slovak Republic	N	Y	N
Bermuda	N	Y	N	Jordania	N	Y	N	Slovenia	N	Y	N
Bosnia-Herzegovina	N	Y	N	Kuwait	N	Y	N	South Africa	N	Y	N
Brazil	Y	Y	Y	Kyrgyzstan	N	Y	N	South Korea	N	N	N
Brunei	Y	N	N	Latvia	N	Y	N	Spain	N	Y	N
Bulgaria	N	Y	N	Lebanon	N	Y	N	Swaziland	N	Y	N
Burkina Faso	N	Y	N	Lithuania	N	Y	N	Sweden	N	Y	N
Canada	Y	N	Y	Luxembourg	N	Y	N	Switzerland	N	Y	N
Caymen Islands	N	Y	N	Malawi	N	Y	N	Tadschikistan	N	Y	N
China	N	Y	N	Malasia	N	Y	N	Taiwan	Y	N	N
Columbia	Y	Y	Y	Malta	N	Y	N	Thailand	Y	N	N
Croatia	N	Y	N	Martinique	N	Y	N	Togo	N	Y	N
Cyprus	N	Y	N	Mauritius	N	Y	N	Tonga	N	Y	N
Czech Republic	N	Y	N	Mayotte	N	Y	N	Turkey	N	Y	N
Denmark	N	Y	N	Mexico	N	Y	N	Turks and Caicos Islands	N	Y	N
Djibouti	N	Y	N	Monaco	N	Y	N	UAE	N	N	N
Egypt	Y	N	N	Netherlands	N	Y	N	Uganda	N	Y	N
El Salvador	N	Y	N	Netherlands Antilles	N	Y	N	Ukraine	N	Y	N
Estoria	N	Y	N	New Caledonia	N	Y	N	United Kingdom	N	Y	N
Finland	N	Y	N	New Zealand	N	Y	N	USA	Y	N	Y
France	N	Y	N	Oman	N	Y	N	Vietnam	N	Y	N
French Guiana	N	Y	N	Panama	Y	N	Y	Virgin Islands	Y	N	Y
French Polynesia	N	Y	N	Papua Neuguinea	N	Y	N	Wallis & Futana	N	Y	N
Georgia	N	Y	N	Poland	N	Y	N	Zambia	N	Y	N
Germany	N	Y	N	Portugal	N	Y	N	Zimbabwe	N	Y	N
Greece	N	Y	N								