

CNRFGWA-418

418MHz 1-Way RF Gateway

The CNRFGWA-418 Gateway is an RF receiver that allows Crestron® 418 MHz 1-way RF wireless touchpanels and handheld

remotes to communicate with the control system via the Cresnet® network. Each CNRFGWA-418 affords a range of approximately 300 feet. Extended range can be achieved by distributing multiple gateways throughout a structure. Each gateway behaves as a Cresnet slave device requiring just one Cresnet wire to each gateway location.^[1]

The CNRFGWA-418 is compatible with Crestron devices that transmit 1-way RF at 418 MHz only. For 433 MHz 1-way devices, use model **CNRFGWA**.

SPECIFICATIONS

Wireless

RF Receiver: 418 MHz 1-way RF, crystal locked

Device Compatibility: Supports up to 256 [WPR-48](#) remotes, or up to 16 [ML-600](#) or [MT-1000C](#)

Range: Up to 300 feet typical, subject to site-specific conditions and individual device capabilities ^[1]

Minimum distance allowed between gateways is 50 feet

Connectors

NET: (1) 4-pin 5mm detachable terminal block, Cresnet slave port;

ANTENNA: (1) BNC female, connection for supplied antenna or optional high-performance antenna ([CNANT](#) sold separately);

Controls & Indicators

ID CODE: (2) Rotary DIP Switches, for setting the Cresnet ID

SIGNAL: (1) Red LED, indicates reception of a valid RF signal

I.D. SELECT: (1) Red LED, indicates communication established with control system

NET PWR: (1) Green LED, indicates DC power supplied from Cresnet network



Power Requirements

Cresnet Power Usage: 3 Watts (0.125 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 113°F (5° to 45°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, freestanding ^[1]

Dimensions

Height: 7.28 in (185 mm);

15.20 in (387 mm) with antenna ^[1]

Width: 3.25 in (83 mm)

Depth: 1.35 in (35 mm)

Weight

1.1 lb (0.5 kg)

Notes:

1. For proper gateway placement and antenna orientation, consult the CNRFGWA Operations Guide or "Best Practices for Installation and Setup of Crestron RF Products" Reference Guide.

CNRFGWA-418

418MHz 1-Way RF Gateway

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

Crestron, the Crestron logo, and Cresnet are trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and other countries. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims proprietary interest in the marks and names of others. ©2011 Crestron Electronics, Inc.