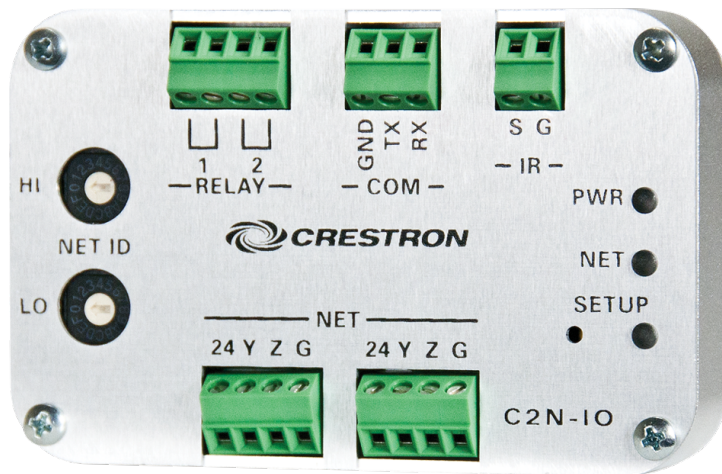# C2N-IO

Control Port Expansion Module

- *Fits within a two-gang wall box*
- *Provides one RS-232, 1 IR/serial, and two relay ports[1]*
- *Compatible with any Crestron 2-Series, 3-Series®, or 4-Series® control system*
- *Interfaces via the Cresnet® control bus*
- *24 VDC Cresnet powered*
- *Surface mount bracket included*

The C2N-IO is a very compact device that adds control ports to any Crestron 2-Series 3-Series®, or 4-Series®control system. It connects via the Cresnet® control network and provides one RS-232, one IR, and two relay control ports.[1] It can be mounted to any flat surface using two screws or adhesive reclosable fastener (3M® Dual Lock® included).

Specifications

Communications

Cresnet® Network	Cresnet client mode, 2-Series, 3-Series®, or 4-Series® control system compatible
RS-232	Supports 2-way device control and monitoring up to 115.2k baud with software handshaking [1]
IR/Serial	Supports 1-way device control via infrared up to 1.2 MHz or serial TTL/RS-232 (0-5 VDC) up to 115.2k baud

Connectors

RELAY 1 – 2	(1) 4-pin captive screw terminal block comprising (2) normally open, isolated relays; Rated 1A, 30 VAC/VDC; Solid-state arc suppression across contacts
COM	(1) 3-pin captive screw terminal block, bidirectional RS-232 port [1]; Up to 115.2k baud; software handshaking support
IR	(1) 2-pin captive screw terminal block, IR/Serial output port; IR output up to 1.2 MHz; 1-way serial TTL/RS-232 (0-5 VDC) up to 115.2k baud
NET	(2) 4-pin captive screw terminal blocks, paralleled
	Cresnet client port, connects to Cresnet control network

Controls and Indicators

NET ID	(2) Rotary switches for manually setting Cresnet ID; '00' setting enables touch-settable ID (TSID)
PWR	(1) Green LED, indicates 24 VDC operating power supplied via Cresnet control network
NET	(1) Amber LED, indicates communication with Cresnet system
SETUP	(1) Red LED and (1) recessed miniature pushbutton for TSID

Power Requirements

Cresnet Power Usage	2.5 W (105 mA @ 24 VDC)

Environmental

Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (noncondensing)

Heat Dissipation	3.5 BTU/hr

Construction

Metal, freestanding or surface mount, surface mount bracket and 3M® Dual Lock® reclosable fastener included, fits inside a 2-gang electrical box or 2-gang UK (BS 4662) electrical box

Dimensions

Height	2.25 in. (58 mm)
Width	3.50 in. (89 mm), 4.38 in. (112 mm) with bracket
Depth	0.83 in. (21 mm)

Weight

2.7 oz (75 g)

Compliance

Regulatory Model: C2N-IO

FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Models

C2N-IO
Control Port Expansion Module

Available Accessories

For a list of available accessories, visit the C2N-IO product page.

Note:

1. The RS-232 COM port is intended for use with relatively simple devices that send and receive small packets and do not generate a lot of data. A small amount of delay may be normal when sending or receiving some control commands on a low-speed serial network. Cresnet networks with many devices tend to exhibit more delay.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

3.50 in.
(89 mm)

0.83 in.
(21 mm)

4.38 in.
(112 mm)

2.25 in.
(58 mm)

HI

NET ID

LO

1   2
— RELAY —

GND
TX
RX
— COM —

S G
— IR —

PWR

NET

SETUP

NET
24 Y Z G   24 Y Z G

C2N IO

4.00 in.
(102 mm)