C2N-IO

Control Port Expansion Module

> *Fits within a 2-gang wall box behind the TPCS-4SM(D) or TSCW-730*

> *Provides 1 RS-232, 1 IR/serial, and 2 relay ports [1]*

> *Compatible with any Crestron® 2-Series or 3-Series® control system*

> *Interfaces via the Cresnet® control bus*

> *24 Volt DC Cresnet powered*

> *Surface mount bracket included*

The C2N-IO is a very compact device that adds control ports to any Crestron® 2-Series or 3-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).

The C2N-IO is ideally designed for use with a Crestron touch screen control system (TPCS-4SM, TPCS-4SMD, or TSCW-730), providing an advanced wall mount control package that fits in a 2-gang US or UK electrical box. The C2N-IO can be mounted inside the electrical box behind the touch screen, or it can be installed remotely requiring just one Cresnet control cable for power and communications.

SPECIFICATIONS

Communications

Cresnet®: Cresnet slave device, 2-Series and 3-Series® 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 Volts) up to 115.2k baud

Connectors

RELAY 1 – 2: (1) 4-pin captive screw terminal block comprising (2) normally open, isolated relays;
Rated 1 Amp, 30 Volts AC/DC;
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 Volts) up to 115.2k baud

NET: (2) 4-pin captive screw terminal blocks;
Cresnet slave ports, paralleled

Controls & Indicators

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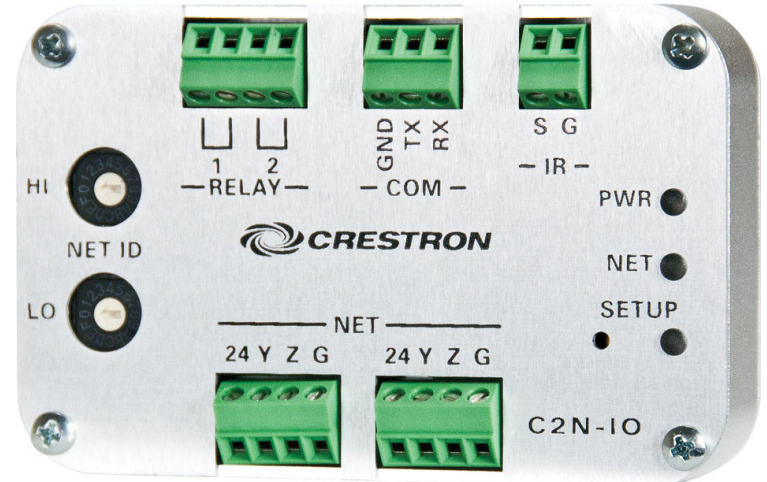
PWR: (1) Green LED, indicates operating power supplied via Cresnet control network
NET: (1) Amber LED, indicates communication with Cresnet system
SETUP: (1) Red LED and (1) recessed miniature pushbutton for TSID

Power Requirements

Cresnet Power Usage: 2.5 Watts (105 mA @ 24 Volts DC)

Environmental

Temperature: 32° to 104° F (0° to 40° C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 3.5 BTU/hr

Enclosure

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, 1.38 in (35 mm) minimum internal box depth required for C2N-IO and TPCS-4SM(D) or TSCW-730 combined

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)

CRESTRON®

MODELS & ACCESSORIES

Available Models

C2N-IO: Control Port Expansion Module

Available Accessories

IRP2: IR Emitter Probe w/Terminal Block Connector
CNSP-XX: Custom Serial Interface Cable
CRESNET-NP: Cresnet® Control Cable, non-plenum
CRESNET-P: Cresnet® Control Cable, plenum

Notes:

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 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.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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

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