

Introduction

Features and Functions

The CNPCI-8, Power Control Interface, is an interface that reports to a Crestron® control processor over the Cresnet® system. The CNPCI-8 provides eight single pole, single throw relays, each rated up to 20A for lighting, motor control etc.; 120/277 VAC. Each relay is normally open and can be controlled via software programming.

Physical Description

The CNPCI-8 comes in a surface-mount NEMA-type steel enclosure. The CNPCI-8 has a 9-pin connector for attaching eight local inputs.

Operation

Providing a closure from ground (G input pin) to any of the input pins 1-8 provides an input to the Cresnet system. These inputs can be programmed to control the CNPCI-8 relays and/or other control system functions. A SIMPL signal, which is driven by a local input, remains high for as long as the closure to ground exists on the corresponding input pin.

When the signal driving a relay goes high, the corresponding relay activates. The relay remains energized as long as its driving signal is high. When the driving signal goes low, the relay is deactivated.

If the data wires from the control system are disconnected, but the CNPCI-8 remains connected to a Crestron power supply and receives 24 volts, the relays of the CNPCI-8 may still be operated from the local control inputs. In this mode, each momentary closure on an input alternatively latches and unlatches the corresponding relay.

Identity Code

All equipment and user interfaces within Cresnet require a unique identity code (Net ID). These codes are two-digit hexadecimal numbers from 03 to FE. The Net ID of each unit must match an ID code specified in the SIMPL Windows program.

To set the Net ID, locate two miniature rotary switches, identified as H and L. These 16-position hexadecimal switches can be set to 0 through F. Using a small screwdriver, rotate the arrow in the center of the switch marked H to point to the first (or most-significant) digit of the specified Net ID. Set the switch marked L to the second (least-significant) digit of the specified Net ID.

Specifications

Following are specifications for the CNPCI-8.

CNPCI-8 Specifications

SPECIFICATION	DETAILS
Power Requirements	8 Watts (0.33 A @ 24 VDC)
Default NET ID	11
Closure Rating	20 A @ 277 VAC, 1 HP @ 125 VAC 15 A @ 125 VAC (Tungsten)
Control System Update File ^{1,2} 2-Series Control System CEN/CN-TVAV CNMSX-AV/PRO CNRACKX-DP ST-CP	Version C2-2.000.CUZ or later Version 5.10.13V.UPZ or later Version 5.01.35X.UPZ or later Version 5.01.35W.UPZ or later Version 4.02.04S.UPZ or later
Operating Temperature and Humidity	0°C to 40°C (32°F to 104°F) 10 to 90% Relative Humidity (Non-Condensing)
Dimensions and Weight	Height: 15.0 in (38.1 cm) Width: 8.0 in (20.3 cm) Depth: 2.5 in (6.4 cm) Weight: 7.2 lbs (3.3 kg)

1. The latest versions can be obtained from the Downloads | Software Updates section of the Crestron website (www.crestron.com). Refer to NOTE below.
2. Crestron 2-Series control systems include the AV2 and PRO2. Consult the latest Crestron Product Catalog for a complete list of 2-Series control systems.

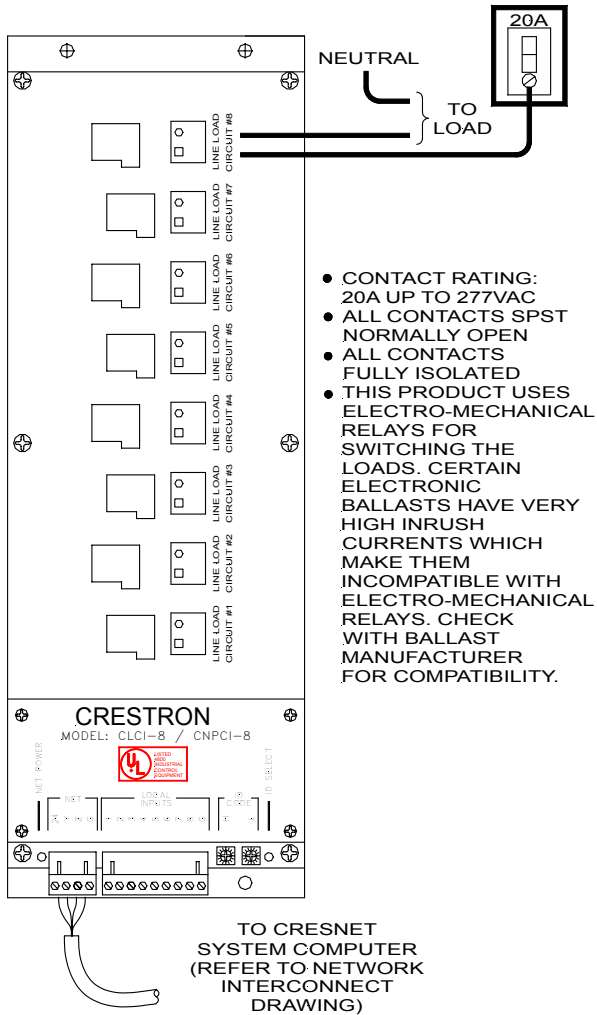
NOTE: Crestron software and any files on the website are for Authorized Crestron dealers and Crestron Authorized Independent Programmers (CAIP) only. New users may be required to register to obtain access to certain areas of the site (including the FTP site).

Setup

The 4-pin connector marked NET should be wired to the Cresnet system. Network termination points are available at the control system or power supply. Network units may be daisy-chained together. Refer to the latest revision of the wiring diagram appropriate for your specific system configuration, available from the Downloads | Product Manuals | Wiring Diagrams section of the Crestron website (www.crestron.com).

The CNPCI-8 has an indicator marked NET POWER. This indicator illuminates when 24 volts is supplied to the unit over Cresnet. The indicator marked ID SELECT illuminates when communication between the Cresnet system and the CNPCI-8 is established (unit is polled on the network). Illumination indicates that the SIMPL Windows program currently loaded has a network device defined at the same Net ID as the CNPCI-8.

CNPCI-8 Wiring



Further Inquiries

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling the Crestron corporate headquarters at 1-888-CRESTRON [1-888-273-7876]. For assistance in your local time zone, refer to the Crestron website (www.crestron.com) for a listing of Crestron worldwide offices.

You can also log onto the online help section of the Crestron website (www.crestron.com) to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange, or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number, and return address.
2. Products may be returned for credit, exchange, or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, 6 Volvo Drive, Rockleigh, N.J., or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee, plus shipping costs, on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended, or if it has been subjected to misuse, accidental damage, modification, or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced, or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON is not liable for any claim made by a third party or made by the purchaser for a third party.

CRESTRON shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supercedes all previous warranties.

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