



Description

Crestron® 3-Series® control cards are designed to install into a control card expansion slot of a 3-Series Control System® device (PRO3 or AV3). The cards can also be installed into a 3-Series Card Interface device (CEN-CI3-1 or CEN-CI3-3).

NOTE: The AV3 requires the CAGE3 Control Card Expansion Cage accessory to enable use of 3-Series control cards.

NOTE: 3-Series control cards are not compatible with the 2-Series PRO2, AV2, or PAC2 models. Even when installed in the CAGE3 Control Card Expansion Cage, the cards are not compatible with any 2-Series control system.

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the appropriate QR image.



C3COM-3



C3IO-16



C3IR-8



C3RY-8



C3RY-16

Installation

Items required to install the 3-Series control cards are already attached to the unit. The only tools required are a Phillips screwdriver and a grounding strap. To install the control card, follow the procedure below.

CAUTION: 3-Series control cards contain electrostatic-sensitive devices (ESD); observe precautions for handling ESDs to avoid damaging the card.

NOTE: If the card is being installed into an AV3, ensure that the CAGE3 Control Card Expansion Cage accessory is installed before completing this procedure.

1. Disconnect power from the control system.
2. Use the Phillips screwdriver to remove two screws and the blank faceplate from the control system.
3. Align the 3-Series control card guides in the open slot and slide the control card into position.
4. Firmly press on both ends of the 3-Series control card faceplate to seat the control card into the control system connector.
5. Tighten the thumb screws to secure the 3-Series control card to the control system.
6. Reapply power to the control system.

C3COM-3 Wiring Connections

The C3COM-3 provides three bidirectional RS-232/422/485 ports (COM 1–3). Refer to the following table when making connections to the C3COM-3.

C3COM-3 Pin Out

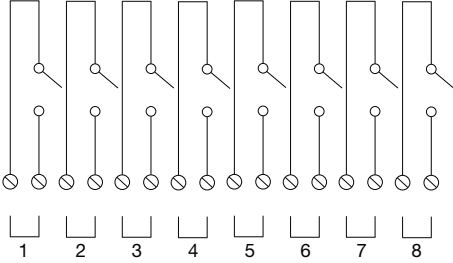
PIN	RS-232	RS-422	RS-485
G	GND	GND	GND ¹
TX	TX	TX-	TX-/RX-
RX	RX	RX+	(Not Used)
RTS	RTS	TX+	TX+/RX+
CTS	CTS	RX-	(Not Used)

¹ A ground terminal connection is recommended but not required. Ground potential difference must be under +/-4 v.

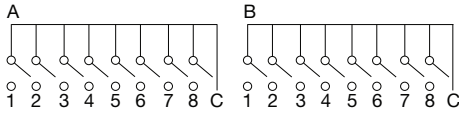
C3RY-8/C3RY-16 Wiring Schematics

The C3RY-8 and C3RY-16 provide two terminal blocks that contain eight normally open, isolated relays (rated 1 amp, 30 volts ac/dc). Refer to the following diagrams when making connections to the C3RY-8 or C3RY-16.

C3RY-8 Wiring Schematic



C3RY-16 Wiring Schematic



Troubleshooting

The following table provides corrective actions for possible issues that may arise. If further assistance is required, please contact a Crestron customer service representative.

3-Series Control Card Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The control card does not function.	The control system is not receiving power.	Verify the power to the control system.
	The control card is not properly seated in the slot.	Verify the control card is properly inserted into the control system slot per the procedure in this guide.
There is a loss of functionality due to electrostatic discharge.	The control system is improperly grounded.	Check that all connections to the control system have been properly made.

As of the date of manufacture, the device has been tested and found to comply with specifications for CE marking.



These products are Listed to applicable UL® Standards and requirements by Underwriters Laboratories Inc.

Ces produits sont énumérés aux normes applicables et les exigences UL par Underwriters Laboratories Inc.



Federal Communications Commission (FCC) Compliance Statement

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

Product warranty can be found at www.crestron.com/warranty.

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

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

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Installation Guide

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Specifications subject to change without notice.