

CP4 Installation

Use the following procedures to install the CP4.

In the Box

Qty.	Description
1	CP4, 4-Series™ Control System
Additional Items	
2	Bracket, Rack Ear (2032122)
4	Foot, Rubber (2002389)
2	Connector, 3-Pin (2003575)
1	Connector, 4-Pin (2003576)
1	Connector, 5-Pin (2003577)
4	Connector, 8-Pin (2003580)
1	Connector, 9-Pin (2003581)
1	Power Cord, 5 ft, 10 in. (1.78 m) (2042043)
1	Power Pack, 24VDC, 100–240VAC (2045873)

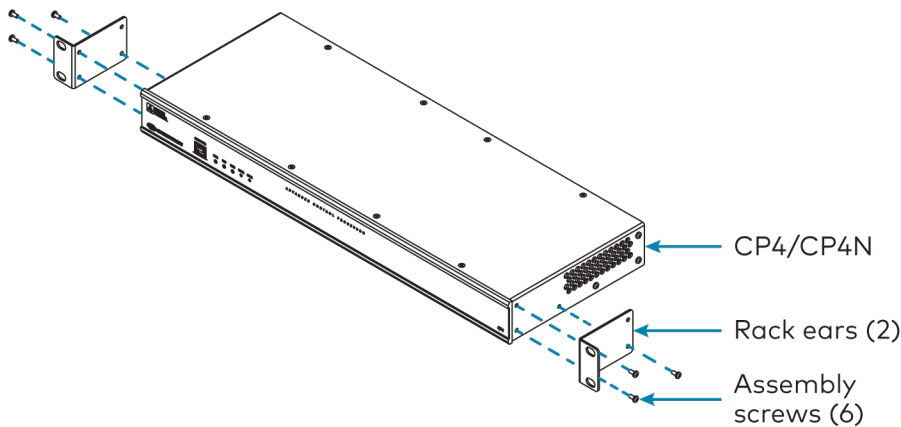
Install the Control System

The control system may be mounted into a rack or placed onto a flat surface.

Rack Mounting

The control system occupies 1U of rack space.

1. Use a #1 Phillips screwdriver to remove the six required screws from the control system assembly (shown in the illustration below).
2. Attach the two included rack ears with the removed screws.
3. Mount the control system into the rack with four mounting screws (not included).

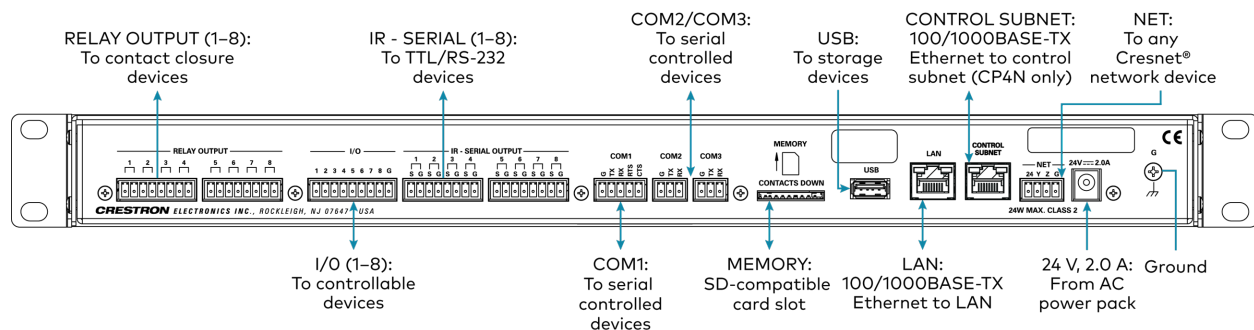


Surface Placement

1. Attach the four adhesive rubber feet near the corners on the underside of the control system.
2. Place onto a flat surface or stack with other equipment.

Connect the Control System

Make all necessary connections to the control system as shown in the following diagram.



Observe the following when connecting the control system:

- Use Crestron power supplies for Crestron equipment.
- The control system may be powered with the included 24VDC power supply or via Cresnet® network power with the **NET** port.
- Connect the chassis ground lug to a known earth ground circuit (such as building steel) to ensure that the control system is grounded properly.
- Apply power after all connections have been made.

Port	RS-232	RS-422 ¹	RS-485
G	GND	GND	GND ²

Port	RS-232	RS-422 ¹	RS-485
TX	TX (from control system)	TX- (from control system)	TX-/RX-
RX	RX (to control system)	RX+ (to control system)	Not used
RTS	RTS (from control system)	TX+ (from control system)	TX+/RX+
CTS	CTS (to control system)	RX- (to control system)	Not used

1. RS-422 transmit and receive are balanced signals that require two lines plus a ground in each direction. RXD+ and TXD+ should idle high (going low at start of data transmission). RXD- and TXD- should idle low (going high at start of data transmission). If necessary, RXD+/RXD- and TXD+/TXD- may be swapped to maintain correct signal levels.
2. A ground terminal connection is recommended but not required.