



How to Connect a CM9760-CDU-T to the CM6800-48X8

HELPFUL TIPS FOR PELCO PRODUCTS

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Product Affected: CM6800-48X8 Matrix Switcher

PROBLEM: How to connect a CM9760-CDU-T Code Distribution Unit to the Matrix Switcher.

SOLUTION: Refer to Figure 1 and the instructions below. The CM6800-48X8 provides only two PTZ control ports, but with the CM9760-CDU-T you can provide direct PTZ connections for up to 16 cameras from each CM9760-CDU-T unit.

1. Using an RJ-45 data cable, connect the IN port on the CM9760-CDU-T to an RJ-45 wall block. The data cable and wall block are supplied with the CM6800.

Connect the wall block pins to the PTZ control port on the rear panel of the CM6800-48X8 (use a 12-pin plug-in connector on the CM6800-48X8). Refer to Figure 1 for the pin connections.

NOTE: The pin numbering shown in Figure 1 applies to the Pelco RJ-45 wall block (part number CON12J00820360Z). A wall block purchased from a supplier other than Pelco may have a different pin numbering scheme.

2. Connect each camera control line to the mating plug on each port on the rear panel of the CM9760-CDU-T. Each CM9760-CDU-T can support up to 16 cameras/receivers.

Use RS-422 shielded, twisted pair cable (user supplied) for the control lines. The maximum cable distance is 4,000 feet (1,219 m).

3. To daisy-chain a second CM9760-CDU-T unit, connect the OUT port on the first CM9760-CDU-T to the IN port on the second CM9760-CDU-T with an RJ-45 reversed cable. The CM6800-48X8 can support up to two CM9760-CDU-T units (32 PTZ camera addresses) from each PTZ port.

4. After completing system installation and power-up, you must configure the CM6800 and the camera/receivers.

CAMERA/RECEIVER CONFIGURATION

Refer to the appropriate camera/receiver installation manual for configuration and address settings.

CM6800 CONFIGURATION

- Access the CM6800 Camera programming menu to identify the receiver control type (PTZ-A or PTZ-B) and to select the appropriate camera port address (1-32). The camera port address for each camera must match the address setting configured through the camera/receiver DIP switch settings.

TIP: To quickly verify a camera's address setting, cycle power to the camera. The camera's power-up display, including the camera address, will be displayed on the monitor.

- Access the Port programming menu to select the appropriate communication type (P or D) for serial port 9 (PTZ-A) and 10 (PTZ-B). Default settings for PTZ-A and PTZ-B: PTZ-P, RS-422, 4800 baud, no parity, 8 data bits, 1 stop bit.

Refer to the CM6800-48X8 Installation/Operation Manual for programming instructions.

Refer to the following manuals for detailed installation and operating instructions:

- CM6800-48X8 Matrix Switcher/Controller Installation/Operation Manual
- CM9760-CDU-T Code Distribution Unit Installation/Operation Manual

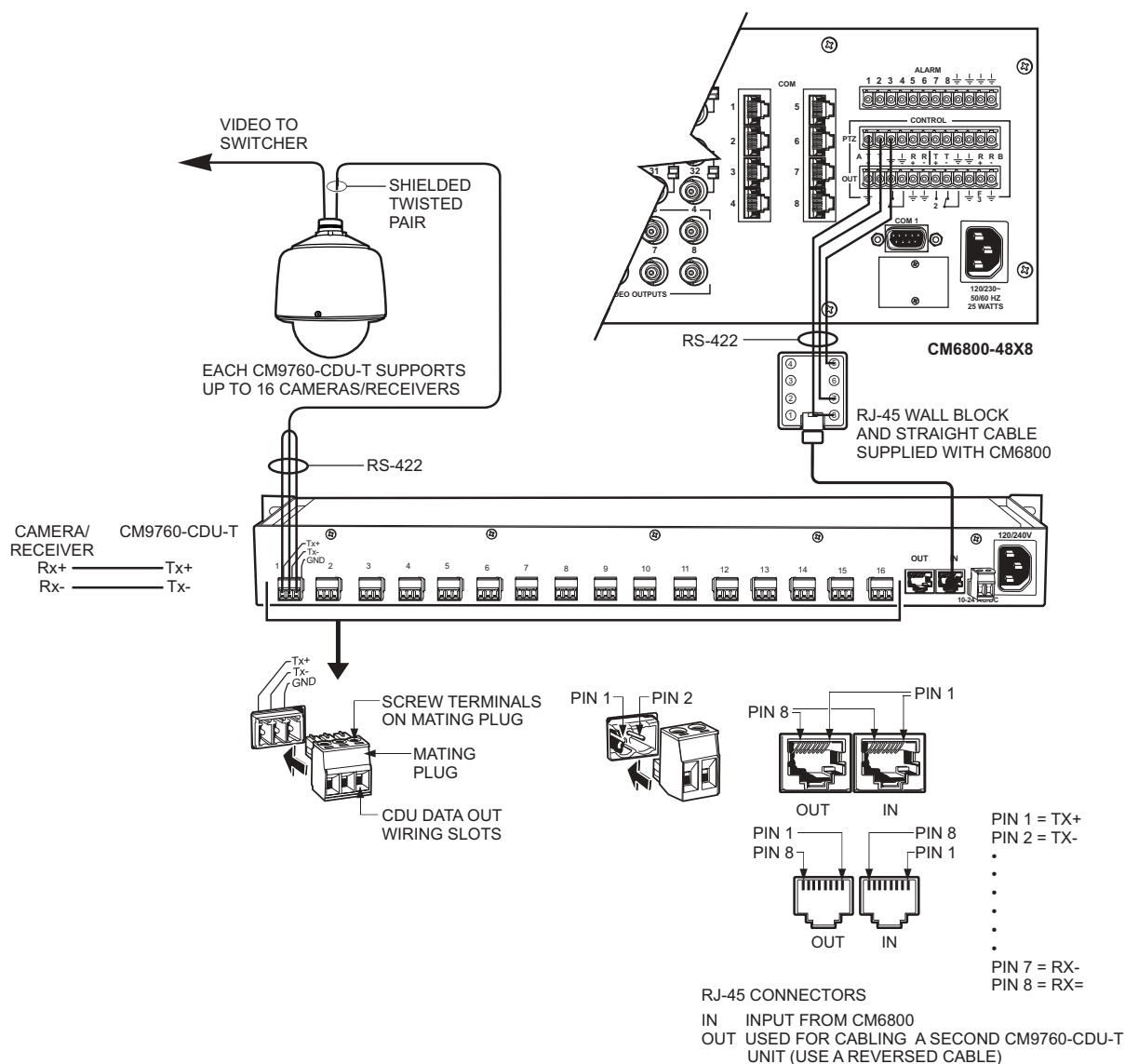


Figure 1