Indoor Installation

This section explains how to connect the housing and eyeball assembly to a mounting base.

Items You Will Need

You should have on hand the following tools and parts:

- Install/Removal tool to attach and detach domes and bubbles without a ladder.
- Base kit: ADSDUIOB (black) or ADSDUIOBW (white).
- SpeedDome Ultra 8 housing and eyeball assembly, 0101-0150-xx.

Other Preparations

To ensure a smooth and successful installation, you must:

- Have electrical work comply with latest national electrical code, national fire code, and all applicable local codes and ordinances.
- Coordinate work with other trades to avoid interference.
- Verify existing site conditions and coordinate with the owner's representative and appropriate utilities as required.
- Obtain copies of all related plans, specifications, shop drawings and addenda to schedule and coordinate related work.
- Thoroughly review the project to ensure that all work meets or exceeds the above requirements. Bring alleged discrepancies to the attention of the CCTV Project Coordinator.

Connecting to the Mounting Base

⚠️ **WARNING:** Ensure that ac power and electrical signals are off during wire connections!

Referring to Figure 9:

1. Set termination jumper JW1 according to the dome's position in the communications line.

Position of dome in communications line…	Setting	Pins
Between other devices	Unterminated	Off
End of communications line	Terminated	1-2

Note: You may need a small slotted screwdriver to gently pry jumper loose. Be careful not to damage the PC board.

2. Connect the video cable to I/O board BNC video cable extension.

3. Connect Manchester, RS-422, or SensorNet 485 data wires to connector TB1. If using a Pelco Coaxitron or Panasonic UTC protocol, no data wires are connected, just power.

Manchester data connections.

Order data cable 88760 (plenum) or 8760 (non-plenum) from Belden by calling 1-800-235-3361.

Pin	Color	Designation
1-4	—	Not used.
5	Black	Manchester (+)
6	White	Manchester (–)

RS-422 data connections

Pin	Color	Designation
1	Orange	RS-422 Data In High (+)
2	Green	RS-422 Data In Low (–)
3	Yellow	RS-422 Data Out High (+)
4	Brown	RS-422 Data Out Low (–)
5-6	—	Not used.

SensorNet data connections

Pin	Color	Designation
1-4	—	Not used.
5	Orange	SensorNet (unshielded)
6	Yellow	SensorNet (unshielded)