



Convert Coaxitron[®] Protocol to D or P Protocol on Intercept[®] Domes

Bulletin No.: 97-1008
Product Affected: Intercept[®] Series Domes
Date: September 23, 1997
Purpose: This bulletin explains how to modify an Intercept[®] dome from Coaxitron[®] protocol to D or P protocol.

D-type protocol is RS-422/485 that is compatible with Pelco's CM6700, MPT9500, and CM8500 controllers or with American Dynamics control systems that use the AD2083 translator.

P-type protocol is RS-422/485 that is compatible with Pelco's CM6700, CM9750, and CM9760 controllers.

To convert from Coaxitron[®] protocol to D or P protocol:

1. Order the appropriate CPU board from Pelco.

For D-type protocol with an 8-inch dome:

- If you have a fixed-speed dome with basic software (no presets, zones, or patterns), order part number CPU08D11ASSY.
- If you have a variable-speed dome with basic software (no presets, zones, or patterns), order part number CPU08D12ASSY.
- If you have a fixed-speed dome with presets, zones, and patterns, order part number CPU08D21ASSY.
- If you have a variable-speed dome with presets, zones, and patterns, order part number CPU08D22ASSY.

For D-type protocol with a 14-inch dome:

- If you have a fixed-speed dome with basic software (no presets, zones, or patterns), order part number CPU14D11ASSY.
- If you have a variable-speed dome with basic software (no presets, zones, or patterns), order part number CPU14D12ASSY.
- If you have a fixed-speed dome with presets, zones, and patterns, order part number CPU14D21ASSY.
- If you have a variable-speed dome with presets, zones, and patterns, order part number CPU14D22ASSY.



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For P-type protocol with an 8-inch dome:

- If you have a fixed-speed dome with basic software (no presets, zones, or patterns), order part number CPU08P11ASSY.
- If you have a variable-speed dome with basic software (no presets, zones, or patterns), order part number CPU08P12ASSY.
- If you have a fixed-speed dome with presets, zones, and patterns, order part number CPU08P21ASSY.
- If you have a variable-speed dome with presets, zones, and patterns, order part number CPU08P22ASSY.

For P-type protocol with a 14-inch dome:

- If you have a fixed-speed dome with basic software (no presets, zones, or patterns), order part number CPU14P11ASSY.
- If you have a variable-speed dome with basic software (no presets, zones, or patterns), order part number CPU14P12ASSY.
- If you have a fixed-speed dome with presets, zones, and patterns, order part number CPUP1421ASSY.
- If you have a variable-speed dome with presets, zones, and patterns, order part number CPUP1422ASSY.

2. Turn off power to the dome.
3. Remove the dome and trim ring assembly.

Refer to the receiver/driver manual (C466M-D) for steps 4-6.

4. Remove the cover of the receiver/driver.
5. Remove the video board and the CPU board. The video board will not be replaced.
6. Set the switches and jumpers on the new CPU board.
7. Install the new CPU board in the receiver/driver.
8. Use a BNC barrel to connect the two BNC connections that are going through the backplane board. You must do this because there is no longer a video card to process the video signal.
9. Replace the cover of the receiver/driver.
10. Replace the dome and trim ring assembly.
11. Turn on the power.
12. Program presets, if applicable. The D-type and P-type protocols do not allow titling, as the Coaxitron® protocol does. Also, you cannot program zones and patterns with the D-type and P-type protocols.