

Vicon Controller Wiring Instructions

Dome Unicard Settings

Follow the steps below to program a SpeedDome or SpeedDome NP for communication with a Vicon controller.

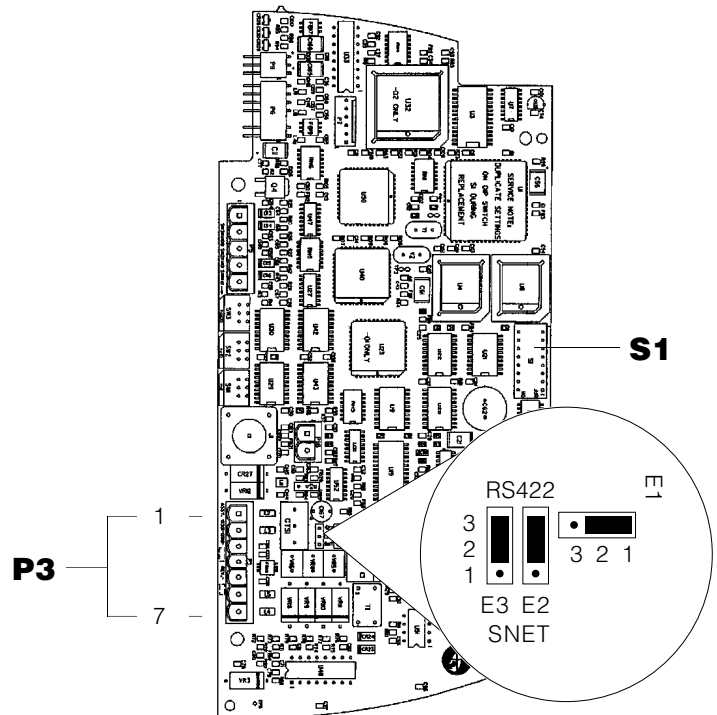
1. Set jumpers E1, E2, and E3 on the Unicard interface board for RS422 cabling. Refer to the figure on this page.
2. To program a *SpeedDome*, set switch 1 on S1 to the OFF position and switches 2–8 to the ON positions.

To program a *SpeedDome NP*, set switch 8 on S1 to the ON position.

3. Connect the Vicon controller to P3 on the UniCard interface board.
4. Apply power to the dome.
5. **For SpeedDome Only:** When the dome begins to calibrate, set the switches on S1 to the required configuration. The dome is now ready to be mounted.

NOTE: To install an indoor SpeedDome or SpeedDome NP, refer to the *SpeedDome & SpeedDome NP Installation Instructions* (PN 8000-0817-01).

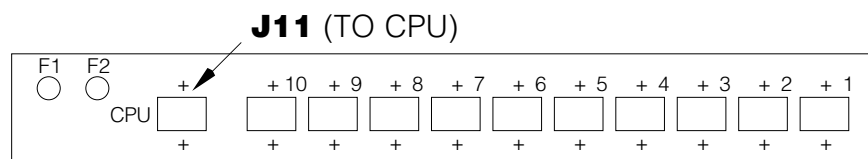
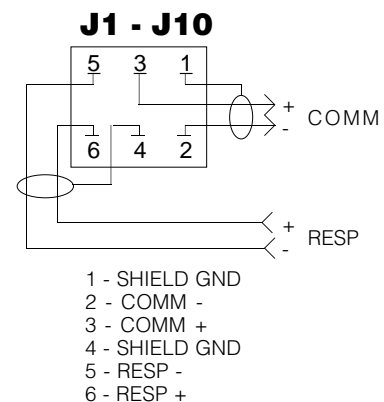
UniCard Interface Board



Vicon Controller Wiring Guidelines

Use the following guidelines for wiring a SpeedDome to a Vicon controller.

- Use #22 AWG communication cable; its length must not exceed 1000m (3281').
- Use #18 AWG to provide local power to the dome; its length must not exceed 123m (403').
- Connect up to 10 dome and/or receiver units on a single line.



Rear Panel V1200X-DL

Vicon Controller Wiring Instructions, *continued*

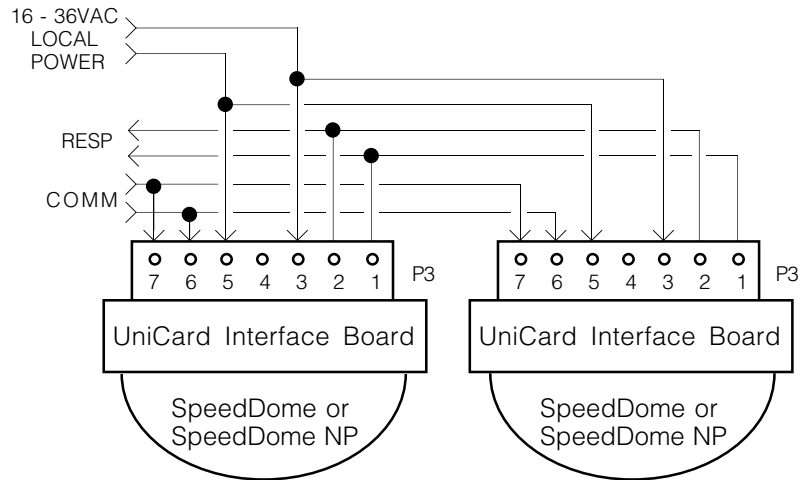
Vicon Controller Wiring Configurations

No Receiver Units

Use this configuration to connect between 1 and 10 domes to a D/L when there are no Vicon receiver units on the same loop.

P3 UniCard Interface Board

PIN	FUNCTION
1	RESP -
2	RESP +
3	AC IN
4	POWER GROUND
5	AC IN
6	COMM -
7	COMM +



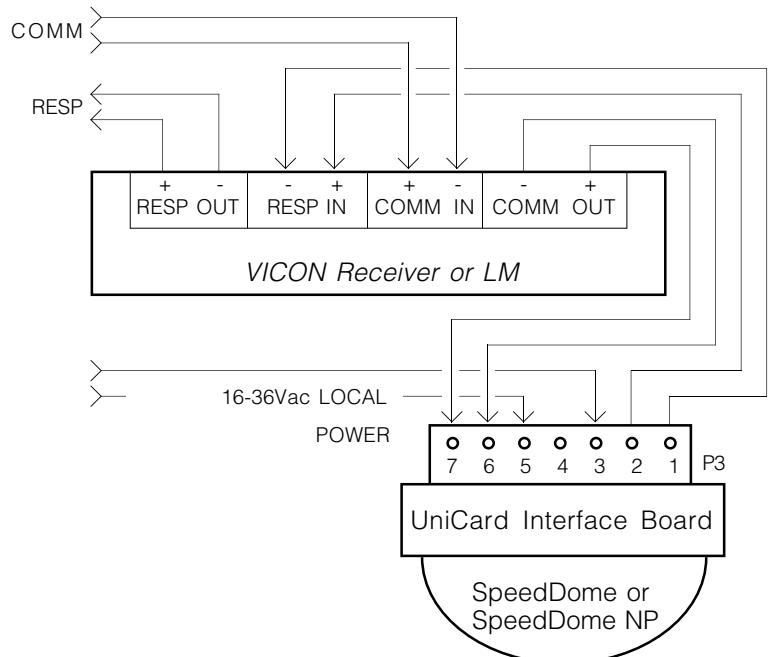
V1200X-DL to Receiver Units

Dome at End of Communications Loop.

Use this configuration to connect between 1 and 10 domes to a D/L when there are Vicon receiver units connected to the D/L channel, and the dome is connected to the end of the string (on the same loop).

J2 Outdoor Interface Board

PIN	FUNCTION
1	RESP -
2	RESP +
3	AC IN
4	POWER GROUND
5	AC IN
6	COMM -
7	COMM +



Vicon Controller Wiring Instructions, continued

Dome at Middle of Communications Loop. Use this configuration to connect between 1 and 10 domes to a D/L when there are Vicon receiver units connected to the D/L channel, and the dome is connected in the middle of the string.

P3 UniCard Interface Board

PIN	FUNCTION
1	RESP -
2	RESP +
3	AC IN
4	POWER GROUND
5	AC IN
6	COMM -
7	COMM +

