

Vicon® Controller Wiring Instructions

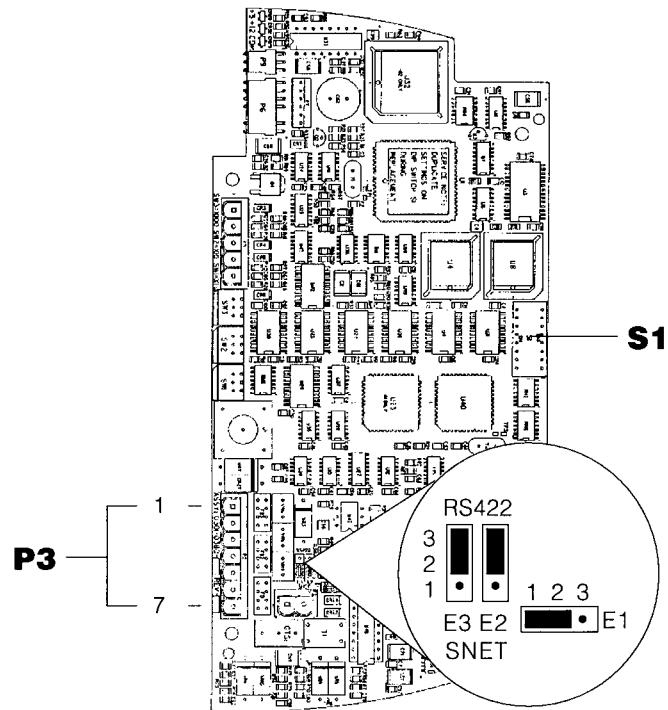
Dome Unicard Settings

Follow the steps below to program a SpeedDome 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. Set switch 1 on S1 to the OFF position and switches 2–8 to the ON positions.
3. Connect the Vicon controller to P3 on the UniCard interface board.
4. Apply power to the dome.
5. When the dome begins to calibrate, set the switches on S1 to the required configuration. The dome is now ready to be mounted in the outdoor environmental housing.

NOTE: To install an outdoor SpeedDome, refer to the *SpeedDome Installation Instructions* (PN 8000-0823-01).

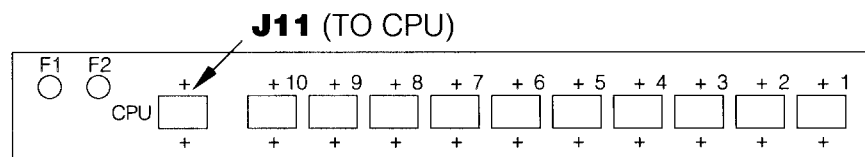
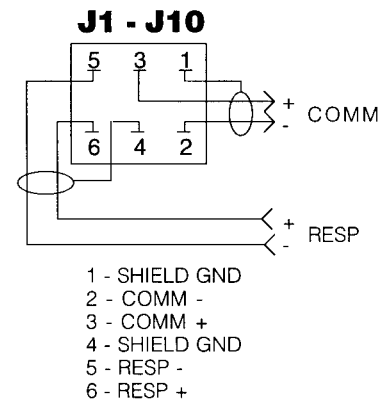
UniCard Interface Board



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*

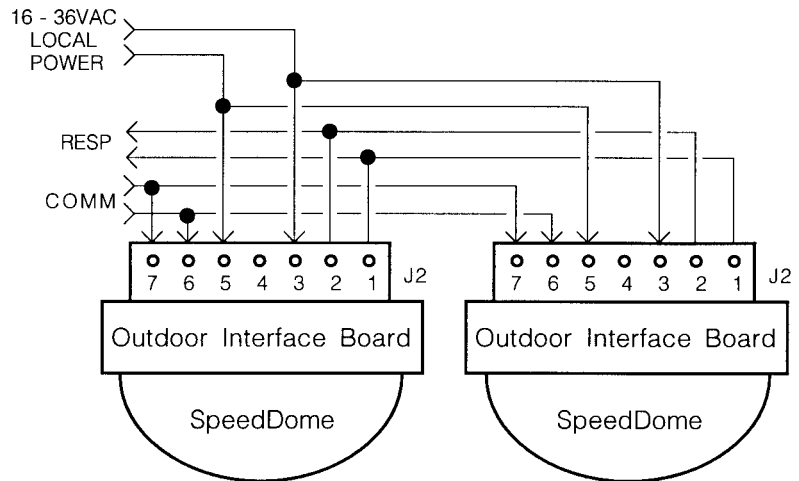
Vicon Controller Wiring Configurations

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.

J2 Outdoor Interface Board

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



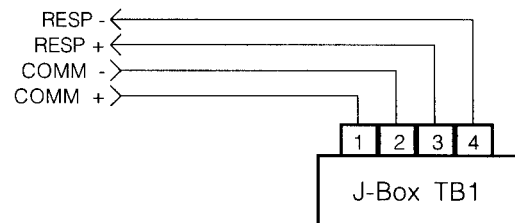
V1200X-DL to SpeedDome

Use this configuration to connect between 1 and 10 outdoor domes. In this application you should use a separate D/L channel for the dome string.

NOTE: To install an outdoor J-Box, refer to the *SensorNet 1-Position J-Box Installation Instructions* (PN 8000-0971-01).

TB1 J-Box Terminal Block

PIN	FUNCTION
1	DATA IN HI
2	DATA IN LO
3	DATA OUT HI
4	DATA OUT LO



Vicon Controller Wiring Instructions, continued

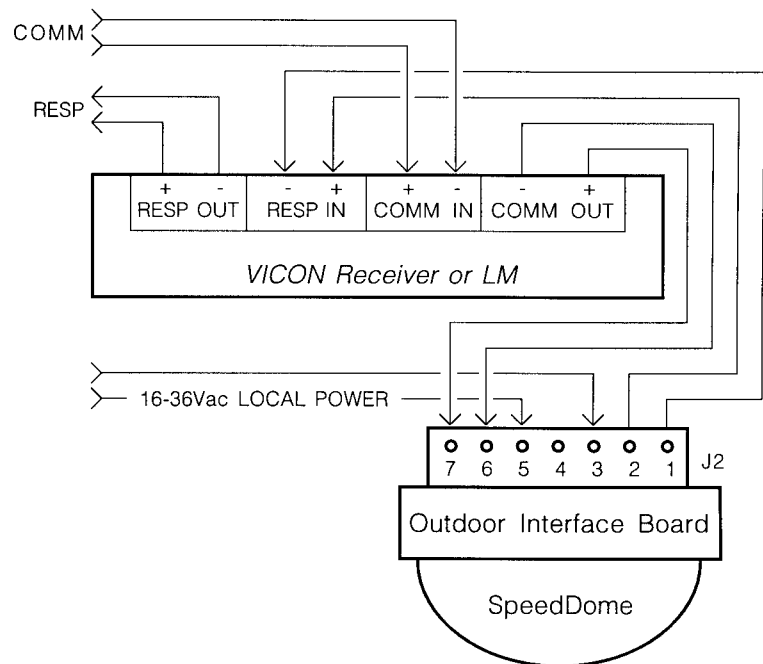
V1200X-DL to Receiver Units

Dome at End of Communications Loop

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 +



Dome at Middle of Communications Loop

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.

J2 Outdoor Interface Board

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

