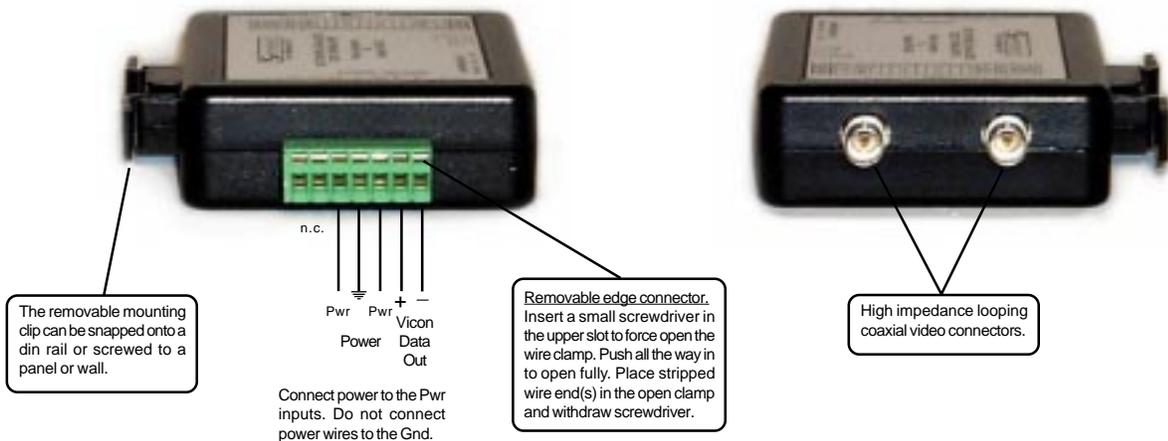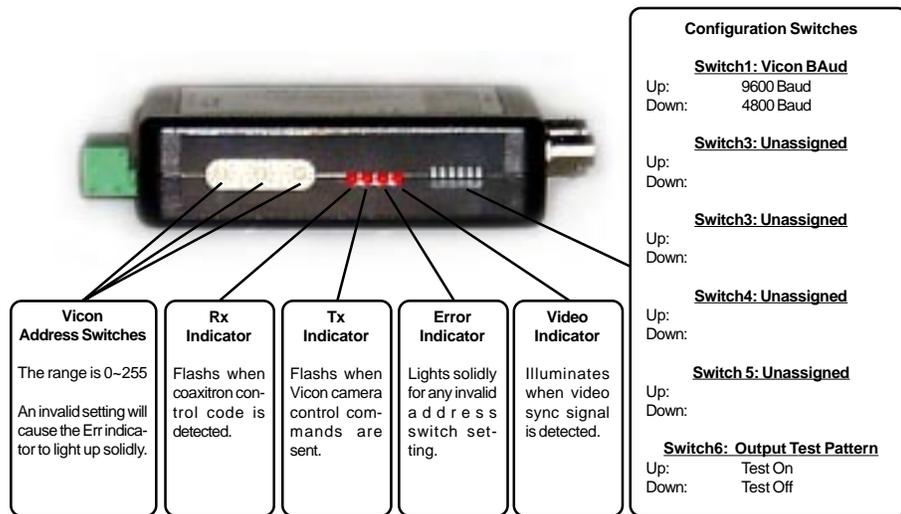# SCT-CRX-Pelco-Vicon
Pelco Coaxitron to Vicon RS-422 Code Translator

The Code Translator detects Pelco coaxitron control code and converts it to equivalent Vicon RS-422 control code for a single Vicon camera.

Configuration Switches

Switch1: Vicon BAud
Up: 9600 Baud
Down: 4800 Baud

Switch3: Unassigned
Up:
Down:

Switch3: Unassigned
Up:
Down:

Switch4: Unassigned
Up:
Down:

Switch 5: Unassigned
Up:
Down:

Switch6: Output Test Pattern
Up: Test On
Down: Test Off

Vicon Address Switches

The range is 0~255

An invalid setting will cause the Err indicator to light up solidly.

Rx Indicator

Flashs when coaxitron control code is detected.

Tx Indicator

Flashs when Vicon camera control commands are sent.

Error Indicator

Lights solidly for any invalid address switch setting.

Video Indicator

Illuminates when video sync signal is detected.

The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

n.c.

Pwr   Pwr   +   −
Power   Vicon Data Out

Connect power to the Pwr inputs. Do not connect power wires to the Gnd.

Removable edge connector. Insert a small screwdriver in the upper slot to force open the wire clamp. Push all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

High impedance looping coaxial video connectors.

SPECIFICATIONS

Size: 4.5" x 3.5" x 1.25"
Weight: 0.5 lb
Power: 9Volt to 15Volt AC or DC at 75ma
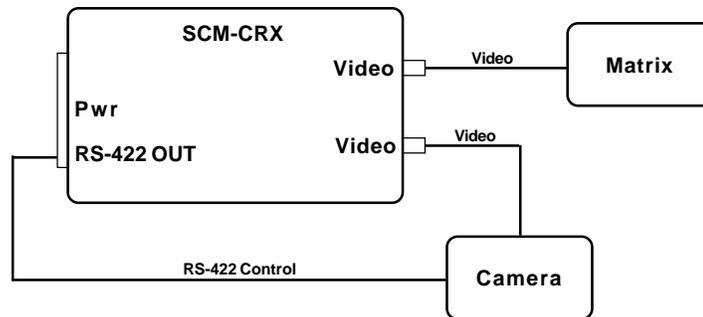Environmental: Indoor use only

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INSTALLATION

Insert the code translator in the video coaxial cable between the camera and the matrix. The video inputs are a high impedance loop so either can be in or out. Connect the RS-422 output to the camera's RS-422 control connectors. The switches can be changed with power on.

Set address selector switches and the camera's address to the same number. With the test pattern on, a counterclockwise square movement pattern is sent to the camera. This can be used to verify communication to the camera without a Pelco controller.

OPERATION

Operation of the coded translator is transparent to the user. Pan, tilt, zoom, focus, Iris commands, and Presets 1-99 are converted directly.

Additional Pelco commands are converted according to the following table

Pelco command	Vicon
Aux1 On	A/P
Aux2 On	A/I
Aux3 On	L-SPD
Aux4 On	Alarm acknowledge
Aux5 On	Aux1
Aux6 On	Aux2
Aux7 On	Aux3
Aux8 On	Aux4
Run Pattern	A/P