SCT-100-VCL-Pelco
VCL RS-485 to Pelco RS-422 Code Translator Ver 1.2

The code translator converts VCL camera control code to Pelco code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

The Pelco output can be D code or P code. D code is sent as 2400 baud with no parity. P code can be sent as 4800 or 9600 baud with no parity or even parity.

A test mode sends a continuous square movement pattern to the P/T/Z so the wiring and addressing between the translator and the P/T/Z can be checked without a controller. The input receiver is disabled during test mode.

Configuration Switches

Switch 1: Pelco Code Type
Up: P code
Down: D code

Switch 2: P code baud rate
Up: 9600 baud
Down: 4800 baud

Switch 3: P code parity
Up: Even parity
Down: No parity

Switch 4: Unassigned
Up:
Down:

Switch 5: Output Camera Address
Up: Set camera to #1
Down: Output address = Input

Switch 6: Output test code
Up: Output test pattern On
Down: Output test pattern Off

Address Selector
Selects the input camera address. The valid range is 1~128

Rx Indicator
Flashes when there is data on the input lines.

Error Indicator
Flashes on input error.

Status Indicator
Lights if an invalid address is selected.

Tx Indicator
Flashes when Pelco output code is sent.

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

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

+ −   − +
Data   PWR   PWR   Data
Input   Output

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

SPECIFICATIONS

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

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NOTES

Switch Settings
Any changes in switch settings are effective immediately, they are not read only on power up.

Pelco Settings
For D code, the output is 2400 baud with no parity. For P code, the output is determined by switches 3 & 4.

Addressing
Only camera control code for the camera number set by the Address Switches is converted.

If switch 5 is ON, the output code is always addressed to camera #1. Otherwise, the output code address is determined by the Address Switches.

Indicators
The **Rx** LED will flash when there is data on the input.

The **Error** LED will flash if the input code is not recognized as valid VCL code.

The **Status** LED will light if the address switches are not set to a valid address (1~128).

The **Tx** LED flashes once for each Pelco packet sent.

OPERATION

PTZ
The code translator converts VCL pan, tilt, zoom, focus and iris code directly into Pelco code

Additional commands are converted according to the following table.

	VCL COMMAND	**PELCO COMMAND**
Presets	Define preset 1~79	Program preset 1~79
	Seek preset 1~79	Go to preset 1~79
Patterns	Define Tour Start 1~3	Record Pattern 1~3

To record a pattern, position the camera at the starting point. Send VCL [Define Tour Start] command, move the camera through the desired pattern, then send VCL Autopan cmd to end the recording.

	Start/Resume Tour 1~3	Run Pattern 1~3

For compatibility with Honeywell control systems that use presets above 79 for special functions, the following commands are also supported

	Preshot 80, 81, or 82	Run pattern 1, 2, or 3
	Preshot 83, 84, or 85	Record pattern 1, 2, or 3
	Preshot 86	End pattern recording
Aux	Aux On/Off 1~8	Aux On/Off 1~8
	Wipe	Aux 1 On
	Wash	Aux 2 On
	180°	Flip
Camera Menu	Preshot 90	Activate camera programming menu
	Preshot 95	Activate camera programming menu