

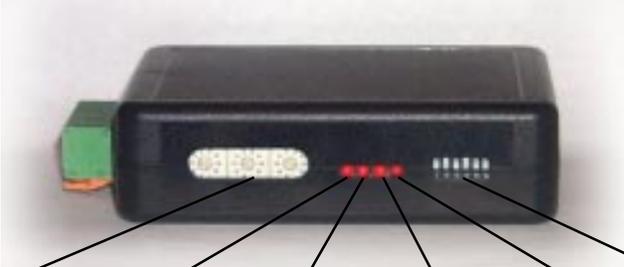
SCT-100-Diamond-Pelco

Diamond RS-422 to Pelco RS-422 Code Translator

The code translator converts Diamond 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 and baud rates from 2400 to 19200 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.



Address Selector
Selects the input camera address. The valid range is 1-255

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.

Configuration Switches

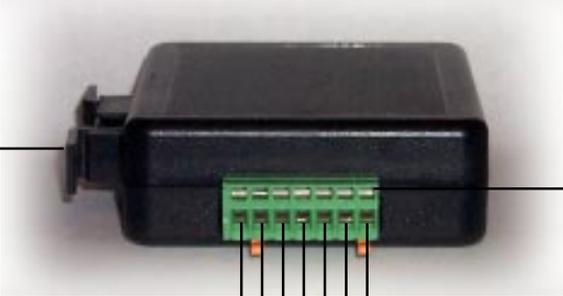
Switch 1: Pelco Code Type
Up: P code
Down: D code

Switches 2&3: Pelco Baud Rate
1 Down 2 Down 2400
1 Up 2 Down 4800
1 Down 2 Up 9600
1 Up 2 Up 19.2K

Switch 4: Pelco Parity
Up: Even parity
Down: No parity

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



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.

+ - PWR PWR - +
Data Input Data 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 Diamond code.

The **Status** LED will light if the address switches are not set to a valid address (1~255).

The **Tx** LED will flash for each Pelco packet sent.

OPERATION

PTZ

The code translator converts Diamond pan, tilt, zoom, focus and iris code directly into Pelco code. Additional commands are converted according to the following table.

	<u>DIAMOND COMMAND</u>	<u>PELCO COMMAND</u>
Aux	Aux On/Off 1~99	Aux On/Off 1~99
Presets	Recall preset 1~99 Store preset 1~99	Program preset 1~99 Go to preset 1~99

Pelco Spectra domes convert some of the higher presets according to the following table:

	Prgm 90	Set manual scan left limit
	Prgm 91	Set manual scan right limit
	Prgm 92	Set auto scan left limit
	Prgm 93	Set auto scan right limit
	Prgm 95	Display camera menu
		(Use tilt to navigate and Iris Open to make selections.)
	Pshot 97	Start random scan
	Pshot 98	Start frame scan
	Pshot 99	Start auto scan
Patterns	Prgm Pshot 40	Set start point of pattern 0
	Prgm Pshot 41	Set start point of pattern 1
	Prgm Pshot 42	Set start point of pattern 2
	Pshot 43	Set end point of pattern
	Pshot 40 or VScan 0	Run pattern 0
	Pshot 41 or VScan 1	Run pattern 1
	Pshot 41 or VScan 2	Run pattern 2