SCT-100-AD-Pelco
AD Manchester to Pelco RS-422 Code Translator Ver 2.0

The code translator converts American Dynamics manchester camera control code into Pelco RS-422 code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

Pelco output can be P or D code selectable from 2400 baud to 19.2K baud.

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 an AD controller. The input receiver is disabled during test mode.

Configuration Switches

Switch 1: Pelco Output Code
On:	P code
Off:	D code

Switches 2&3: Pelco Baud Rate
2 Off	3 Off	2400
2 On	3 Off	4800
2 Off	3 On	9600
2 On	3 On	19.2K

Switch 4: Pelco Output Parity
On:	Even parity
Off:	No parity

Switch 5: Output Address
On:	Address is always 1
Off:	Equals input address

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

Address Selector
Selects the camera address. The valid address range is 1~64

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.

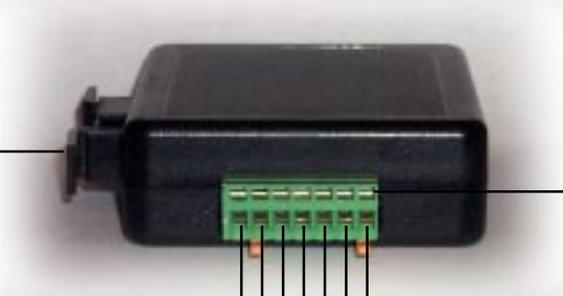**Tx Indicator**
Flashes when Pelco output code is sent.

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.

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

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

If switch 5 is Off, the output code has the same address as the AD camera address. If it is On, the output is always addresses to camera 1.

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 AD manchester code.
The **Status** LED will light if the address switches are not set to a valid address (1~64).
The **Tx** LED flashes for each Pelco packet sent.

OPERATION

PTZ
The code translator converts pan, tilt, zoom, focus and iris code directly.
Other commands are converted according to the following table.

	AD Command	**Pelco Command**	**AD Command**	**Pelco Command**
Aux:	On 1	Aux 1 On	Off 1	Aux 1 Off
	On 2	Aux 2 On	Off 2	Aux 2 Off
	On 1	AutoPan	Off 3	AutoPan

Presets: AD call preset & program presets from 1~40 are converted to Pelco preset commands,

Because AD manchester code only supports 3 Aux Off/On commands, presets 41 thru 59 are also used to send Pelco Aux commands.

Preset 41~49	Aux 1~9 Off
Preset 51~59	Aux 1~9 On

Higher presets are converted special camera functions:

		Pgm preset 60	Manual scan left limit
		Pgm preset 61	Manual scan right limit
		Pgm preset 62	Auto scan left limit
		Pgm preset 63	Auto scan right limit
		Pgm preset 65	Remote reset
Preset 66	AutoFocus	Pgm preset 66	Activate Camera Menu
Preset 67	Flip		(Use Iris Open to select menu itsms)
Preset 68	End pattern record	Pgm preset 68	End pattern record
Preset 69	End pattren record	Pgm preset 69	End pattern record
Preset 70	Run Pattern 1	Pgm preset 70	Record Pattern 1
Preset 71	Run Pattern 2	Pgm preset 71	Record Pattern 2
Preset 72	Run Pattern 3	Pgm preset 72	Record Pattern 3