


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.



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.

Configuration Switches


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

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

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

Switch 5: Output Address
Up: Address is always 1
Down: Equals input address

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.

B W PWR PWR Data Data
Input Output

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 in all the way to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

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.

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.

	<u>AD Command</u>	<u>Pelco Command</u>	<u>AD Command</u>	<u>Pelco Command</u>
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
		Pgm preset 66	Activate Camera Menu (Use Iris Open to select menu items)
Preset 66	AutoFocus	Pgm preset 68	End pattern record
Preset 67	Flip	Pgm preset 69	End pattern record
Preset 68	End pattern record	Pgm preset 70	Record Pattern 1
Preset 69	End pattern record	Pgm preset 71	Record Pattern 2
Preset 70	Run Pattern 1	Pgm preset 72	Record Pattern 3
Preset 71	Run Pattern 2		
Preset 72	Run Pattern 3		