

SCT-100-AD232-Pelco


AD RS-232 to Pelco RS-422 Code Translator

The code translator converts AD RS-232 control code to Pelco RS-422 code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

AD input baud rate from 1200 baud to 19200 baud is automatically detected..

Pelco output can be set to "P" code at 4800 or 9600 baud with no or even parity, or it can be "D" code at 2400 baud.

A test mode sends a continuous square movement pattern to the P/T so the communications from the translator to the P/T can be checked without an AD controller. The input receiver is disabled during test mode.



Address Block Selects the block number for AD2091 type data.	Address Selector Selects camera address. The valid range is 1 - 64.	Rx Indicator Flashes when there is data on the input lines.	Error Indicator Flashes on input receive error.	Status Indicator Flashes if input code differs from AD type setting. Lights if an invalid address is selected.	Tx Indicator Flashes when Pelco output code is sent.
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Configuration Switches

Switch 1: AD code type
 Up: Receive AD1893 type RS-232 data
 Down: Receive AD2091 type RS-232 data


Switch 2: Pelco Code Type
 Up: P code @ 4800 or 9600 baud
 Down: D code @ 2400 baud

Switch 3: P code baud rate
 Up: 9600 baud
 Down: 4800 baud

Switch 4: P code 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.

Data Input Power Data Output

Connect power wires 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

www.sennetech.net

Sennetech, Inc. 6455 W. Bath Rd. Perry, MI 48872 U.S.A. Tele: (517) 675-1150 Fax: (517) 675-1151

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 On, set the camera's switches for address 1, If switch 5 is Off, set the camera's switches for the same address set by the code translator's Address Switches (1~64).

AD Code Type

Control code from an AD1983 has 2 bytes and is limited to 64 cameras. Control code from an AD2091 has an additional block byte. Block 0 is cameras 1~64. Camera 65 is selected as camera address 1 on block 1, camera 129 is camera address 1 on block 2, etc.

Indicators

The **Rx** LED will flash when there is data on the input.
The **Error** LED will flash if the input receive errors.
The **Status** LED will flash if the received data is not recognized as valid type of AD code. It will light continuously if the address switches are not set to a valid address (1~64).
The **Tx** LED will flash for each Pelco packet sent.

OPERATION

PTZ

The code translator converts pan, tilt, zoom, focus, and iris commands into equivalent Pelco commands.

Aux commands.

AD Aux On and Off 1~3 are converted to Pelco Aux On and Off 1~3.

Presets

AD presets from 1~31 are converted directly to Pelco presets.

Other preset commands are converted according to the following table:

<u>AD Command</u>	<u>Pelco Command</u>
Call/Set Shot 30	Stop Pattern_Recording
Set Shot 31	Record Pattern 1
Call Shot 31	Run Pattern 1
Set Shot 32	Record Pattern 2
Call Shot 32	Run Pattern 2
Set Shot 33	Record Pattern 3
Call Shot 33	Run Pattern 3

The highest preset number for AD is 72.

Starting at preset number 50, the code translator adds 30 to the preset number for Pelco special commands.

<u>AD Command</u>	<u>Pelco Command</u>	<u>Function</u>
Set Shot 60	Pgm pset 90	Manual scan left limit
Set Shot 61	Pgm pset 91	Manual scan right limit
Set Shot 62	Pgm pset 92	Auto scan left limit
Set Shot 63	Pgm pset 93	Auto scan right limit
Set Shot 65	Pgm pset 95	Dome programming (Use Tilt to navigate, Iris Open to select highlighted item.)
Call Shot 67	Pset 97	Random scan
Call Shot 68	Pset 98	Frame scan
Call Shot 69	Pset 99	Auto scan