Sennetech

SCT-1047

CAMERA CONTROL CODE TRANSLATOR
PELCO RS-422 to JAVELIN RS-232 Ver. 1.0

www.sennetech.net

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

PRODUCT DESCRIPTION

The SCT-1047 is a Pelco to Javelin control code translator designed to permit control of Javelin cameras from Pelco controllers. It receives Pelco RS-422 commands and transmits the appropriate commands in Javelin RS-232 format (9600 baud N81). There are four independent Javelin outputs.

The unit's operating mode is set with an internal configuration switch. It can be configured to accept either Pelco "P" or "D" code. The output can be Javelin code compatible with either JO208 ACUs or JO308 ACUs.

Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate status of power, receive, and transmit.

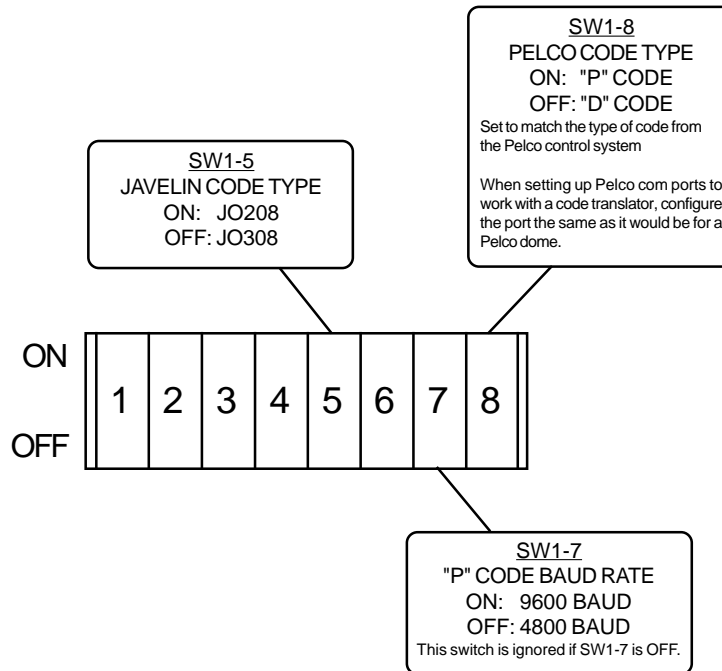There is an optional 19" rack mount panel (one rack unit high).
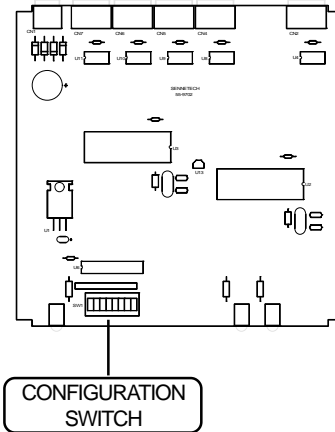
SPECIFICATIONS

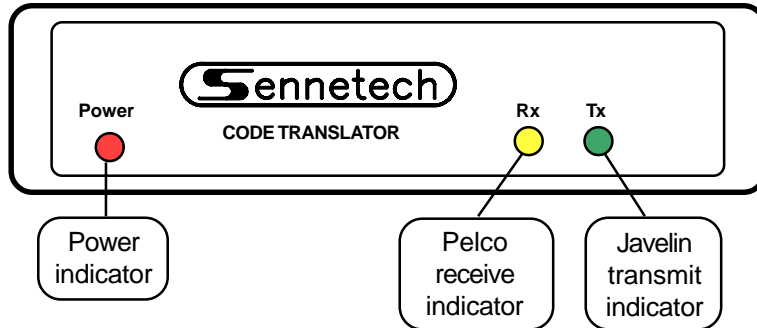|	
SIZE:	5.57"W x 1.52H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	9Volt to 15Volt AC or DC at 75ma
INDICATORS:	Front panel LEDs: Power, Rx, & Tx
PELCO RS-422 INPUT:	(1) mating 3-pin screw terminal connector
JAVELIN RS-232 OUTPUTS:	(4) mating 3-pin screw terminal connectors

SETTING THE SWITCHES

To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches.

The switches can be changed while the code translator is powered up and the new settings will take effect immediately.

CONFIGURATION
SWITCH

SW1-8
PELCO CODE TYPE
ON: "P" CODE
OFF: "D" CODE
Set to match the type of code from the Pelco control system

When setting up Pelco com ports to work with a code translator, configure the port the same as it would be for a Pelco dome.

SW1-5
JAVELIN CODE TYPE
ON: JO208
OFF: JO308

ON

OFF

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

SW1-7
"P" CODE BAUD RATE
ON: 9600 BAUD
OFF: 4800 BAUD
This switch is ignored if SW1-7 is OFF.

INSTALLATION

FRONT PANEL

Power

Sennetech

CODE TRANSLATOR

Rx   **Tx**

Power indicator

Pelco receive indicator

Javelin transmit indicator

REAR PANEL

PELCO RS-422 IN
+ − S

JAVELIN RS-232 OUTPUTS
Rx Tx Com   Rx Tx Com   Rx Tx Com   Rx Tx Com

POWER 9V to 15V AC or DC

Pelco RS-422 input

Javelin RS-232 outputs

Connect output Tx & Com to Javelin Rx & Com pins.

If connecting to a J0310 SDU
SCT-1047   SDU
Tx ------------------ pin 2
Com --------------- pin 5

If connecting to a Javelin Remote Receiver for control of JO208 ACUs via a JO107 multiplexer
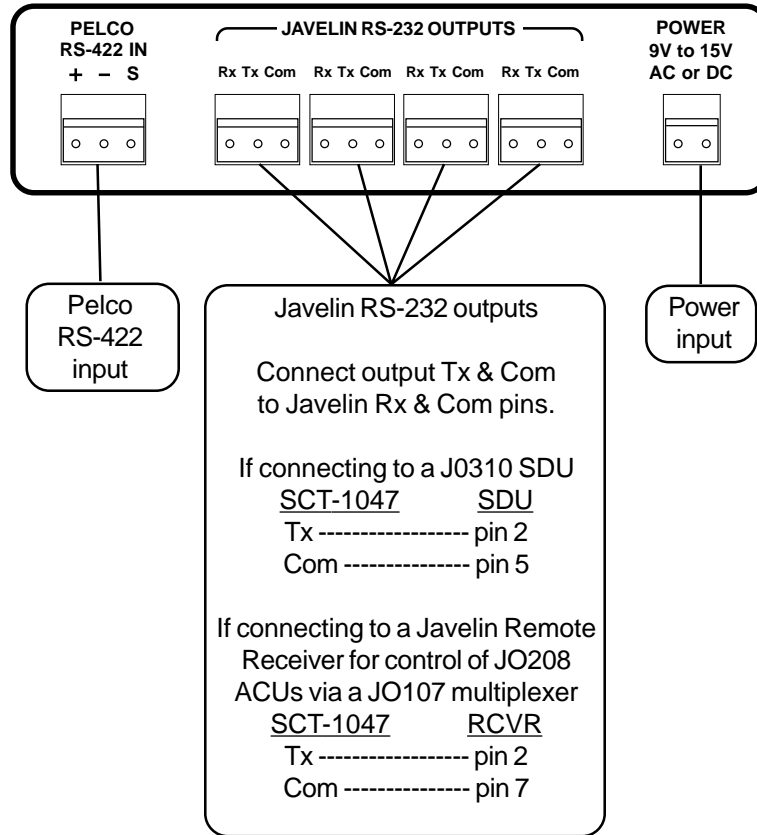SCT-1047   RCVR
Tx ------------------ pin 2
Com --------------- pin 7

Power input

OPERATION

Pan, Tilt, Zoom, Focus, and Iris commands are converted directly. Additional functions use the following table.

<u>PELCO COMMAND</u>	<u>JAVELIN COMMAND</u>
Prog Pset 1 to 16	Store Pre-position (1 to 16)
Goto Pset 1 to 16	Recall Pre-position (1 to 16)

Pelco Program Preset [61] to [68] commands set the Javelin camera movement limits.

61 Set	Set Right Limit
62 Set	Clear Right Limit
63 Set	Set Down Limit
64 Set	Clear Down Limit
65 Set	Set Left Limit
66 Set	Clear Left Limit
67 Set	Set Up Limit
68 Set	Clear Up Limit

There are six Javelin "F" or "R" commands that can be used to control relays. Pelco Aux commands are converted to these commands.

1 On	R1
2 On	R2
3 On	R3
4 On	R4
5 On	R5 or Auto Scan
6 On	R6 or Random Scan