Sennetech

SCT-1042

**CAMERA CONTROL CODE TRANSLATOR
AD MANCHESTER TO JAVELIN RS-232 Ver. 1.0**

PRODUCT DESCRIPTION

The SCT-1042 is an AD to Javelin control code translator designed to permit control of Javelin cameras from American Dynamics controllers. It receives AD manchester commands and transmits the appropriate commands in Javelin RS-232 format (9600 baud N81). There are four independent Javelin outputs.

The unit can be configured to send Javelin output code compatible with either JO208 ACUs or JO308 ACUs. Pan and Tilt commands can be reversed for compatibility with different system wiring.

Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate status of power, receive, and transmit.
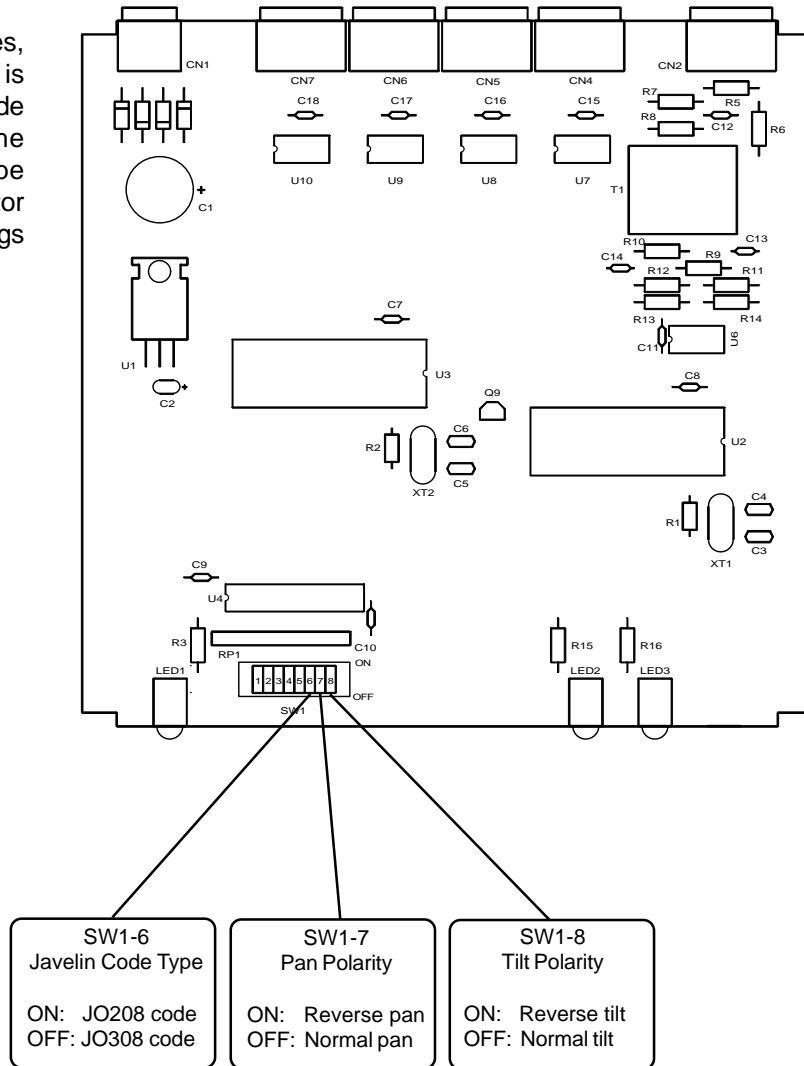
There is an optional 19" rack mount panel (one rack unit high).

SPECIFICATIONS

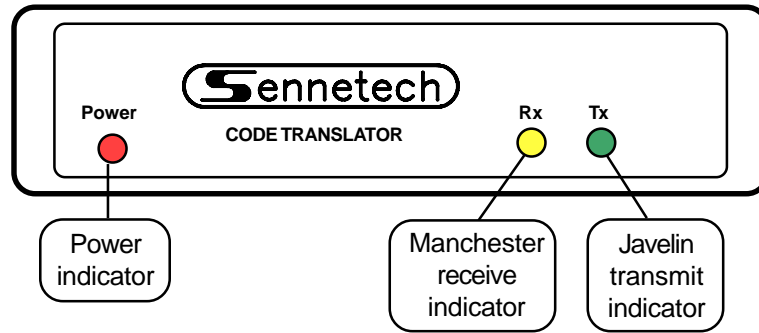|	
SIZE:	5.57"W x 1.52H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	9Volt to 15Volt AC or DC at 75ma
INDICATORS:	Front panel LEDs: Power, Rx, & Tx
MANCHESTER INPUT:	(1) mating 3-pin screw terminal connector
JAVELIN RS-232 OUTPUTS:	(4) mating 3-pin screw terminal connectors

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.
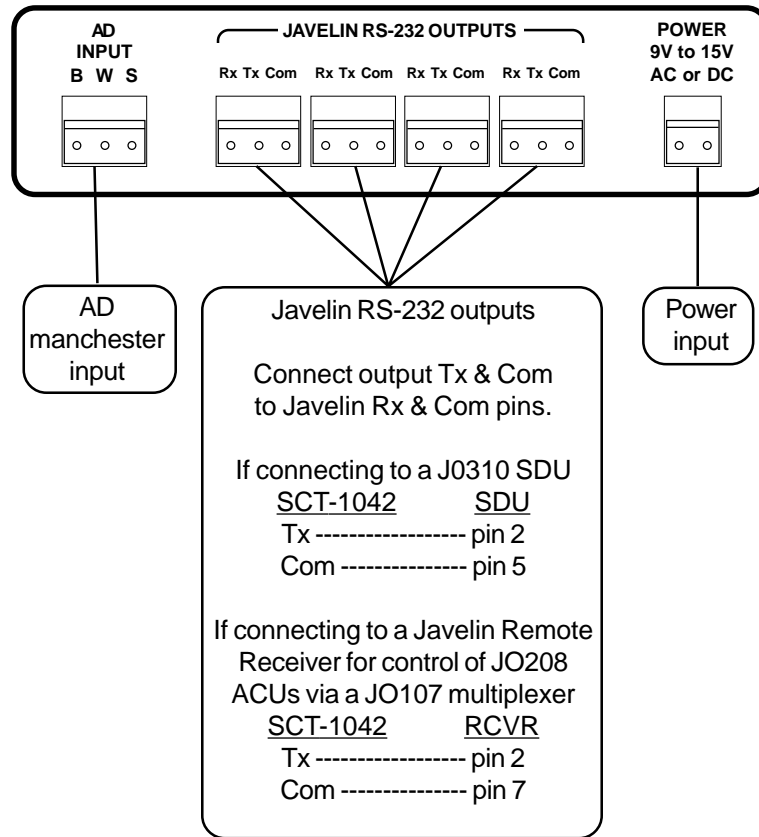

SW1-6 Javelin Code Type	SW1-7 Pan Polarity	SW1-8 Tilt Polarity
ON: JO208 code OFF: JO308 code	ON: Reverse pan OFF: Normal pan	ON: Reverse tilt OFF: Normal tilt

INSTALLATION

FRONT PANEL

Sennetech
CODE TRANSLATOR

Power
Rx   Tx

Power
indicator

Manchester
receive
indicator

Javelin
transmit
indicator

REAR PANEL

AD
INPUT
B W S

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

POWER
9V to 15V
AC or DC

AD
manchester
input

Javelin RS-232 outputs

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

If connecting to a J0310 SDU
   SCT-1042   SDU
   Tx ------------------ pin 2
   Com --------------- pin 5

If connecting to a Javelin Remote
Receiver for control of JO208
ACUs via a JO107 multiplexer
   SCT-1042   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.

AD COMMAND	JAVELIN COMMAND
[1] [Set] to [15] [Set]	Store Pre-position (1 to 15)
[1] [Shot] to [15] [Shot]	Recall Pre-position (1 to 15)

AD [Set] [60] to [67] commands are used to set the Javelin camera movement limits.

[60] [Set]	Set Right Limit
[61] [Set]	Clear Right Limit
[62] [Set]	Set Down Limit
[63] [Set]	Clear Down Limit
[64] [Set]	Set Left Limit
[65] [Set]	Clear Left Limit
[66] [Set]	Set Up Limit
[67] [Set]	Clear Up Limit

There are six Javelin "F" keys that can be used to control relays. AD [Aux] commands are converted to the "F" key commands.

[1] [Off]	F1 KEY
[2] [Off]	F2 KEY
[3] [Off]	F3 KEY
[1] [On]	F4 KEY
[2] [On]	F5 KEY
[3] [On]	F6 KEY