SCT-1035

CAMERA CONTROL CODE TRANSLATOR
ERNITEC RS-485 TO PELCO RS-422 Ver. 1.1

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-1035 is an Ernitec to Pelco control code translator designed to permit control of Pelco cameras from Ernitec VIP-1500 controllers. It receives Ernitec RS-485 commands and transmits the appropriate commands in Pelco RS-422 format. There are four independent RS-422 outputs.

The Pelco output can be configured for "D" code or for "P" code at selectable baud rates.

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

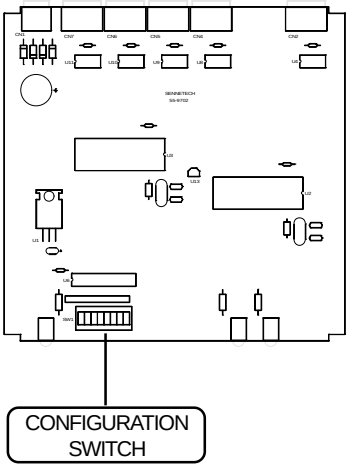
There is an optional 19" rack mount panel (one rack unit high).

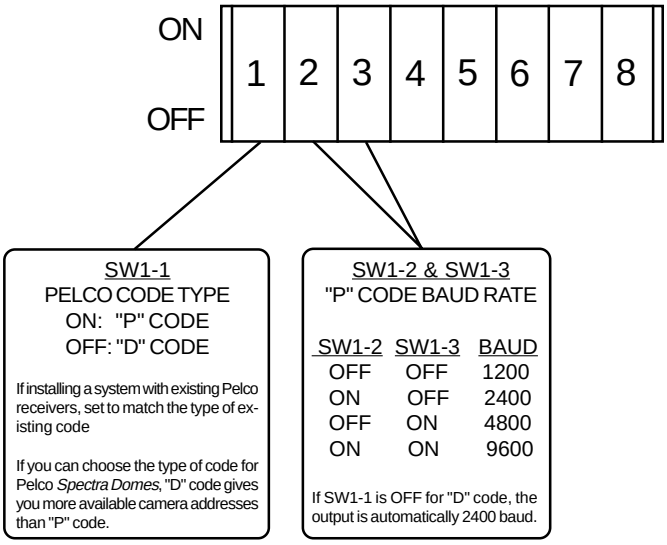
SPECIFICATIONS

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
RS-485 INPUT (2400 baud):	(1) mating 3-pin screw terminal connctors
RS-422 OUTPUT:	(4) mating 3-pin screw terminal connectors

SETTING THE SWITCHES

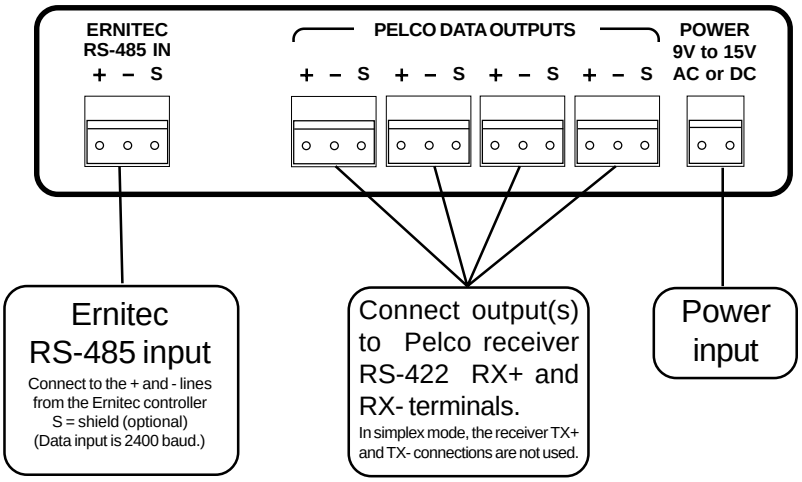
To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.



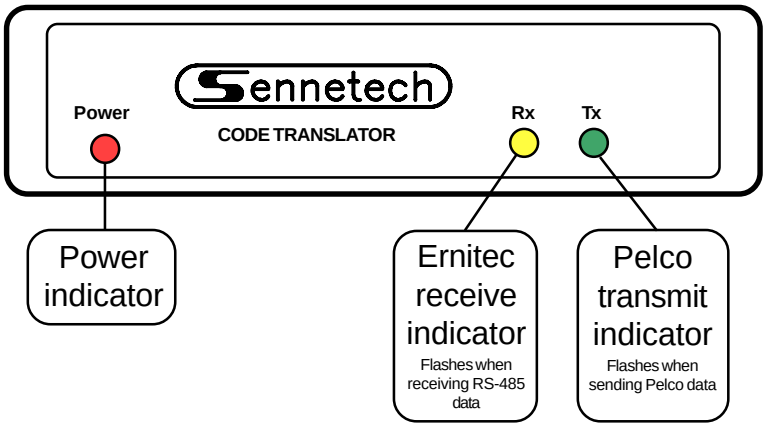


INSTALLATION

REAR PANEL



FRONT PANEL



The Rx indicator will flash whenever there is data from the Ernitec controller. If the input lines have reversed polarity, the Rx indicator will be on solidly.

If you have Rx but no Tx, possible causes are:

The Ernitec code coming into the code translator is not camera control code.

The Ernitec data out is not at 2400 baud.

If you have Tx but the camera does not respond:

Check that the output code type and baud rate match the camera settings.

Check the Ernitec setup data for the proper camera address. When a camera is defined as a PTZ type in the Ernitec menu, the camera's address must also be set.

If the code translator has sent a movement command to a Pelco camera and does not get a follow-up Ernitec command in about 12 seconds, it will time out and send a stop command.

OPERATION

Pan, Tilt, Zoom, Focus, and Iris commands are converted directly.

PAN & TILT SPEEDS
The Ernitec controller does not send speed data along with Pan and Tilt commands.

Pelco Pan and Tilt commands need a speed value, so the code translator will assign speeds.

On power up, the default is a medium speed. Aux 3 and Aux 4 are used to change the tilt speed value. Aux 5 and Aux 6 change the pan speed. Each time one of those Aux buttons is pressed, a small change is made to the associated speed.

Aux 3	Decrease tilt speed
Aux 4	Increase tilt speed
Aux 5	Decrease pan speed
Aux 6	Increase pan speed

PRE-POSITIONS & PATTERNS

Ernitec Command	**Pelco Command**
Call Pre-position 1 - 99	Goto Preset 1 - 99
Save Pre-position 1 - 99	Set Preset 1 - 99
Insert PP1 in stack	Start Programming Pattern
Delete PP1 from stack	Stop Programming Pattern
Start Sequence Pre-pos	Run Pattern