# Sennetech

## SCT-1062

**CAMERA CONTROL CODE TRANSLATOR**
**PELCO RS-422 to ERNA RS-485 Ver. 1.2**

**www.sennetech.net**

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# PRODUCT DESCRIPTION

The SCT-1062 is a Pelco to Ernitec control code translator designed to permit control of Ernitec receivers from Pelco controllers. It receives Pelco RS-422 commands and transmits the appropriate commands in Erna RS-485 code format. There are four independent Erna outputs.

Internal configuration switches allow the translator to work with Pelco "P" code or "D" code.

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

Version 1.2 adds a switch to select RS-485 or RS-422 data output for older receivers.
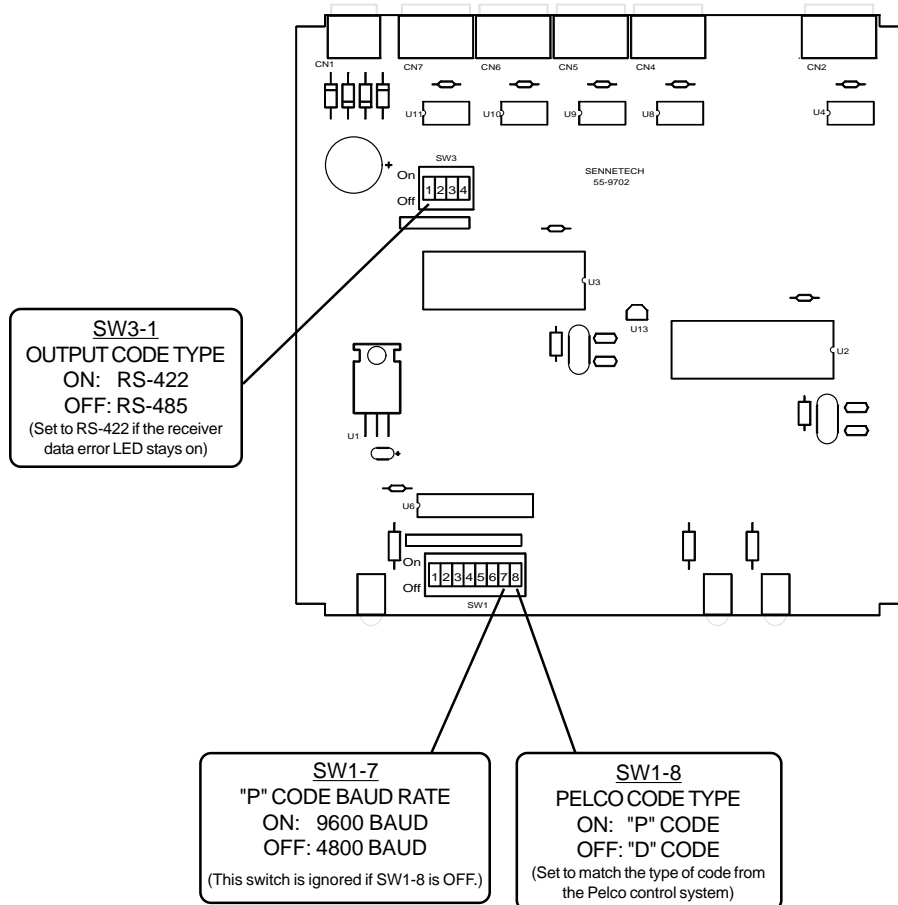
There is an optional 19" rack mount panel (one rack unit high).

# 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 |
| ERNA RS-485 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.

CN1　CN7　CN6　CN5　CN4　CN2

U11　U10　U9　U8　U4

SW3
On
Off
1 2 3 4

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55-9702

U3

U13

U2

U1

U6

On
Off
1 2 3 4 5 6 7 8
SW1

**SW3-1**
OUTPUT CODE TYPE
ON:　RS-422
OFF: RS-485
(Set to RS-422 if the receiver data error LED stays on)

**SW1-7**
"P" CODE BAUD RATE
ON:　9600 BAUD
OFF: 4800 BAUD

(This switch is ignored if SW1-8 is OFF.)

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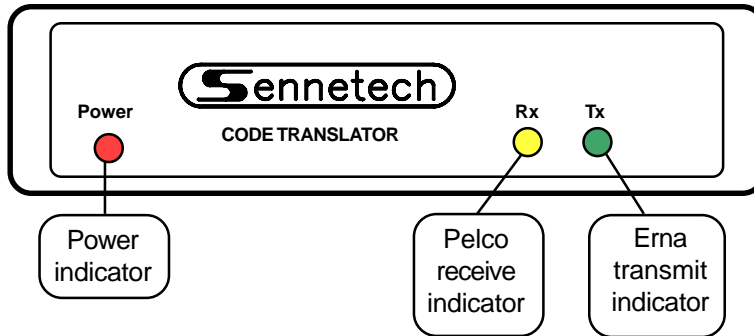(Set to match the type of code from the Pelco control system)

If the code translator is configured to receive "D" code, the baud rate is automatically set to 2400. For "P" code, the available baud rates are 4800 and 9600.
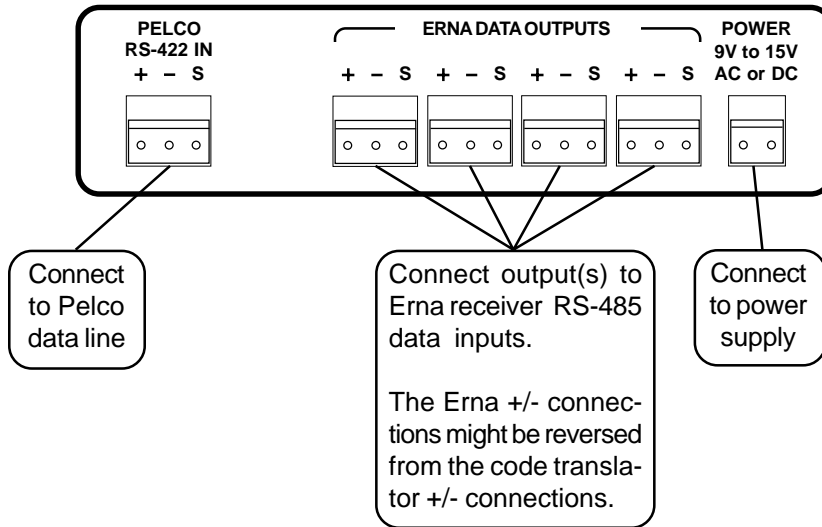
The Rx LED will light when there is any data on the input lines. If the LED is on constantly, the input wires are probably reversed.

If the Rx LED flashes when a camera control command is sent, but the Tx LED does not flash, then the code translator did not recognize the incoming data as valid Pelco camera control code. Check that the code translator matches the controller's code settings.
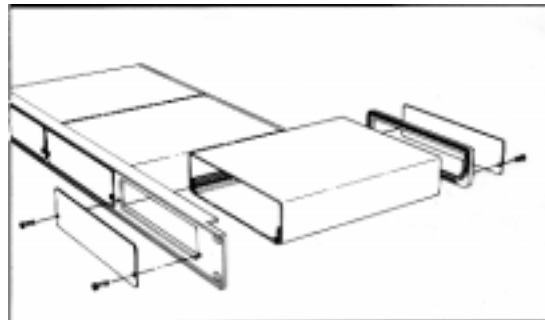
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**FRONT PANEL**

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**CODE TRANSLATOR**

**Power**

**Rx**  **Tx**

Power indicator

Pelco receive indicator

Erna transmit indicator

**REAR PANEL**

| PELCO RS-422 IN | ERNA DATA OUTPUTS | POWER 9V to 15V AC or DC |
|---|---|---|
| + − S | + − S  + − S  + − S  + − S | |

Connect to Pelco data line

Connect output(s) to Erna receiver RS-485 data inputs.

The Erna +/- connections might be reversed from the code transla- tor +/- connections.

Connect to power supply

To install the case on the rack mount frame, remove the front panel and the plastic bezel. The rack mount frame takes the place of the bezel as shown below.

## OPERATION

**PTZ**
The code translator converts Pan, Tilt, Zoom, Focus, and Iris commands directly.

**Presets**
Pelco presets 1~64 are converted directly to Erna presets 1~64.

Other commands are converted according to the following table.

|  | **Pelco Command** | **Erna Command** |
|---|---|---|
| **Aux Relays** | | |
| | Aux 1~8 Off | Aux Relay 1~8 Off |
| | Aux 1~8 On | Aux Relay 1~8 On |
| **Pre-position Sequence** | | |
| | Pset 70 | Show Sequence Stack |
| | Pgm Pset 70 | Clear Sequence Stack |
| | Pset 71~89 | Insert Pre-position 1~19 in Stack |
| | | (The cmd must be sent twice.) |
| | Pgm Pset 71~89 | Delete Pre-position 1~19 from Stack |
| | Run Pattern | Start Pre-position Sequence |
| | Start Pgm Pattern 0~99 | Set Sequence Dwell Time (Pattern # = seconds) |
| **Display Text** | | |
| | Pset 90 | Toggle Text Display On/Off |

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