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

<table>
<thead>
<tr>
<th>SIZE:</th>
<th>5.57”W x 1.52H x 5.45D</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT:</td>
<td>1.5 lbs.</td>
</tr>
<tr>
<td>POWER:</td>
<td>9Volt to 15Volt AC or DC at 75ma</td>
</tr>
<tr>
<td>INDICATORS:</td>
<td>Front panel LEDs: Power, Rx, &amp; Tx</td>
</tr>
<tr>
<td>RS-485 INPUT (2400 baud):</td>
<td>(1) mating 3-pin screw terminal connectors</td>
</tr>
<tr>
<td>RS-422 OUTPUT:</td>
<td>(4) mating 3-pin screw terminal connectors</td>
</tr>
</tbody>
</table>
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.

**SW1-1:**
- **PELCO CODE TYPE**
  - **ON:** "P" CODE
  - **OFF:** "D" CODE
- If installing a system with existing Pelco receivers, set to match the type of existing code.
- If you can choose the type of code for Pelco Spectra Domes, "D" code gives you more available camera addresses than "P" code.

**SW1-2 & SW1-3:**
- **"P" CODE BAUD RATE**
  - **SW1-2 OFF, SW1-3 OFF:** 1200 baud
  - **SW1-2 ON, SW1-3 OFF:** 2400 baud
  - **SW1-2 OFF, SW1-3 ON:** 4800 baud
  - **SW1-2 ON, SW1-3 ON:** 9600 baud

If SW1-1 is OFF for "D" code, the output is automatically 2400 baud.
INSTALLATION

REAR PANEL

Ernitec RS-485 input
Connect to the + and - lines from the Ernitec controller
S = shield (optional)
(Data input is 2400 baud.)

Connect output(s) to Pelco receiver RS-422 RX+ and RX- terminals.
In simplex mode, the receiver TX+ and TX- connections are not used.

Power input

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.

<table>
<thead>
<tr>
<th>Ernitec Command</th>
<th>Pelco Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call Pre-position 1 - 99</td>
<td>Goto Preset 1 - 99</td>
</tr>
<tr>
<td>Save Pre-position 1 - 99</td>
<td>Set Preset 1 - 99</td>
</tr>
<tr>
<td>Insert PP1 in stack</td>
<td>Start Programming Pattern</td>
</tr>
<tr>
<td>Delete PP1 from stack</td>
<td>Stop Programming Pattern</td>
</tr>
<tr>
<td>Start Sequence Pre-pos</td>
<td>Run Pattern</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aux 3</th>
<th>Aux 4</th>
<th>Aux 5</th>
<th>Aux 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decrease tilt speed</td>
<td>Increase tilt speed</td>
<td>Decrease pan speed</td>
<td>Increase pan speed</td>
</tr>
</tbody>
</table>

PRE-POSITIONS & PATTERNS