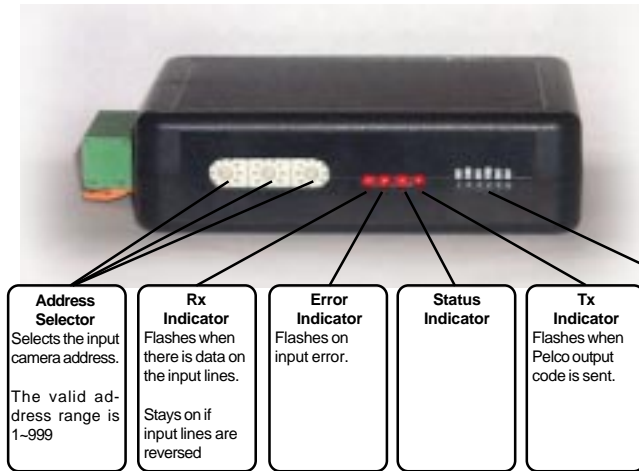


# SCT-100-Bosch232-Pelco

## Bosch RS-232 to Pelco RS-422 Single Camera Code Translator

The code translator is designed to convert Bosch RS-232 camera control code to Pelco RS-422 code for a single P/T/Z. Only camera commands for the address matching the Address Selector switches will be converted.

A test mode sends a continuous square movement pattern to the P/T/Z so the wiring and addressing between the translator and the P/T/Z can be checked without a Bosch controller.



- Address Selector**  
 Selects the input camera address.  
 The valid address range is 1-999
- Rx Indicator**  
 Flashes when there is data on the input lines.  
 Stays on if input lines are reversed
- Error Indicator**  
 Flashes on input error.
- Status Indicator**
- Tx Indicator**  
 Flashes when Pelco output code is sent.

- Configuration Switches**

**Switch 1: Pelco Output Code Type**  
 Up: Pelco "P" code  
 Down: Pelco "D" code

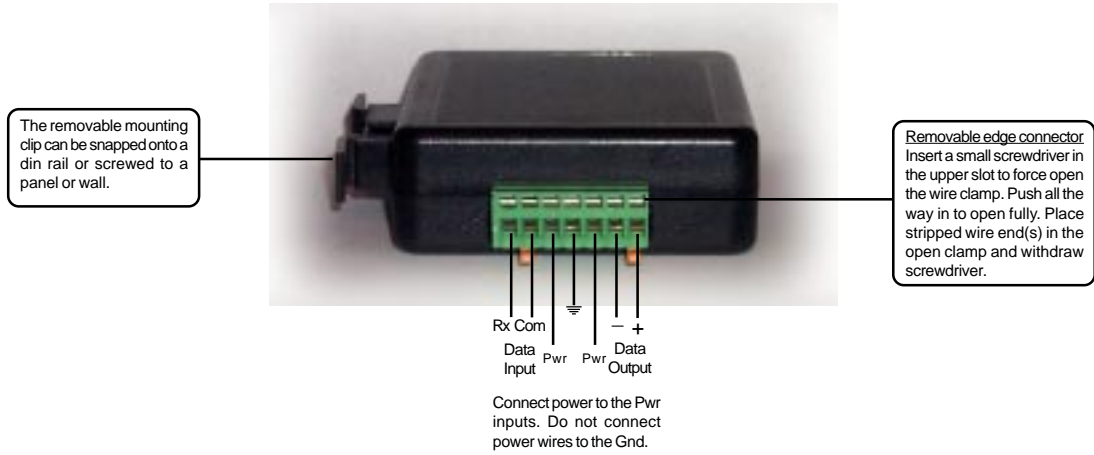
**Switch 2: "P" Code Baud Rate**  
 Up: 9600 Baud  
 Down: 4800 Baud

**Switch 3: "P" Code Parity**  
 Up: Even Parity  
 Down: No Parity

**Switch 4: Unassigned**  
 Up:  
 Down:

**Switch 5: Output Camera Address**  
 Up: Set camera to #1  
 Down: Output address = Input

**Switch 6: Output test code**  
 Up: Output test pattern On  
 Down: Output test pattern Off



The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

**Removable edge connector**  
 Insert a small screwdriver in the upper slot to force open the wire clamp. Push all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

Rx Com  
 Data Input   Pwr   Pwr   Data Output  
 -   +  
 Connect power to the Pwr inputs. Do not connect power wires to the Gnd.

- SPECIFICATIONS**
- Size: 4.5" x 3.5" x 1.25"
  - Weight: 0.5 lb
  - Power: 9Volt to 15Volt AC or DC at 75ma  
(Optional 24vac operation)
  - Environmental: Indoor use only

[www.sennetech.net](http://www.sennetech.net)

**Sennetech, Inc. 6455 W. Bath Rd. Perry, MI 48872 U.S.A. Ph (517) 624-1150 Fax (517) 625-1151**

The configuration switches can be changed with power applied, the changes take effect immediately.

### **Pelco Code Type**

Both "P" code and "D" code are supported.

### **Baud Rates**

If "P" code is selected, the output can be either 4800 baud or 9600 baud.

If "D" code is selected, the output is fixed at 2400 baud.

### **Parity**

If "P" code is selected, the output can be set for either no parity or even parity.

If "D" code is selected, switch 3 is ignored and the output is fixed at no parity.

### **Addressing**

Only camera control code for the camera number set by the Address Switches is converted.

If switch 5 is On, the Pelco output code will always be sent to camera #1

### **Test Pattern**

When switch 6 is on, the translator sends a continuous small square movement pattern to the camera. The input is not active while the test pattern is On.

### **Indicators**

The **Rx** LED indicates the presence of input data

The **Error** Led flashes with the code translator doesn't recognize the input data.

The **Status** Led is unassigned

The **Tx** LED flashes for each Pelco packet sent.

## **OPERATION**

Operation of the code translator is transparent to the user. Bosch pan, tilt, zoom, focus, iris, preposition and aux commands 1~8 are converted to the equivalent Pelco commands. Higher aux commands are used to send Pelco extended commands according to the following table

<b><u>BOSCH CMD</u></b>	<b><u>PELCO CMD</u></b>
ON 41~48	Program Zone Start 1~8
OFF 41~48	Program Zone End 1~8
ON 49	Zone Scan ON
OFF 49	Zone Scan OFF
ON 61~68	Alarm Acknowledge 1~8
(Pelco's pattern can be recorded and run as either a full pattern or two halves.)	
ON 71	Run 1st half pattern
ON 72	Run 2nd half pattern
ON 73	Run full pattern
ON 81	Start Recording 1st half pattern
ON 82	Start Recording 2nd half pattern
ON 83	Start Recording full pattern
OFF 81	End 1st half pattern recording
OFF 82	End 2nd half pattern recording
OFF 83	End full pattern recording
SET 95	Start Dome Program (Use Tilt to navigate the menu and Iris Open to select items.)