

# SCT-100-Pelco-Diamond

## Pelco RS-422 to Diamond RS-422 Code Translator

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

Input Pelco "D" or "P" code at 2400, 4800 or 9600 baud is detected automatically.  
Diamond output is 9600 baud E81.

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 Kalatel controller.



**Address Selector**  
Selects the camera address. The valid address range is 1-256

**Rx Indicator**  
Flashes when there is data on the input lines.

**Error Indicator**  
Flashes on input error.

**Status Indicator**  
Lights if an invalid address is selected.

**Tx Indicator**  
Flashes when Diamond output code is sent.

**Configuration Switches**

**Switch 1: Output Code**  
Up: MUX-100 Code  
Down: Diamond Code

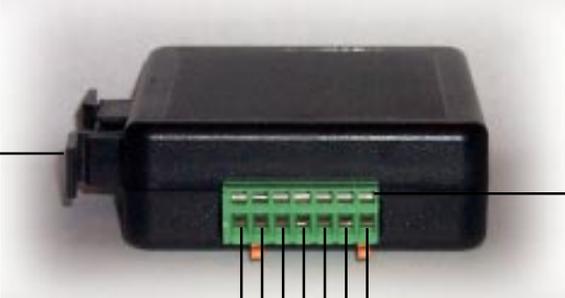
**Switch 2: Unassigned**  
Up:  
Down:

**Switch 3: Unassigned**  
Up:  
Down:

**Switch 4: Autolris**  
Up: On for older Domes  
Down: Off for older Domes

**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 in all the way to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

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Data Input      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: 9~15Volt AC or DC at 75ma  
 Environmental: Indoor use only

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## **NOTES**

### **KD6 Domes**

Configure KD6 domes for Maxpro protocol, 9600 baud, even parity.

### **Addressing**

Only camera control code for the camera number set by the Address Switches is converted. If switch 5 is On, the output code is always addressed to Diamond camera # 1. Otherwise, the output code address is determined by the Address Switches

### **Indicators**

The **Rx** indicator will flash when there is data on the input.  
If it stays on, the input wires are probably reversed.

The **Error** indicator will flash if the input code is not recognized as valid Pelco code.

The **Status** indicator will light if the address switches are not set to a valid address (1~256).

The **Tx** indicator flashes for each Diamond packet sent.

## **OPERATION**

### **PTZ**

The code translator converts pan, tilt, zoom, focus and iris commands directly.

### **Presets**

Pelco presets 1~99 are converted to Diamond presets 1 ~99.

### **Auto Iris**

For older Diamond cameras, auto iris was implemented by sending both iris open and iris close commands continually from the controller. If Switch 4 is On, the code translator will do the same.

### **TEST PATTERN**

Switch 6 On puts the code translator into a test generator mode that continually sends a square movement pattern to the PTZ, pan left, tilt down, pan right, tilt up. This can be used to check for proper communications between code translator and camera without needing a Diamond controller. Turn the switch Off to return to normal operation.