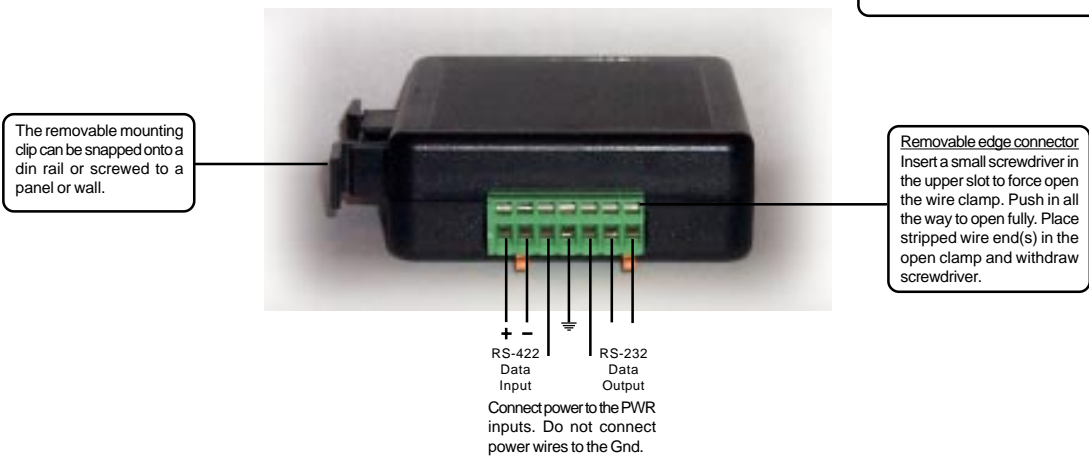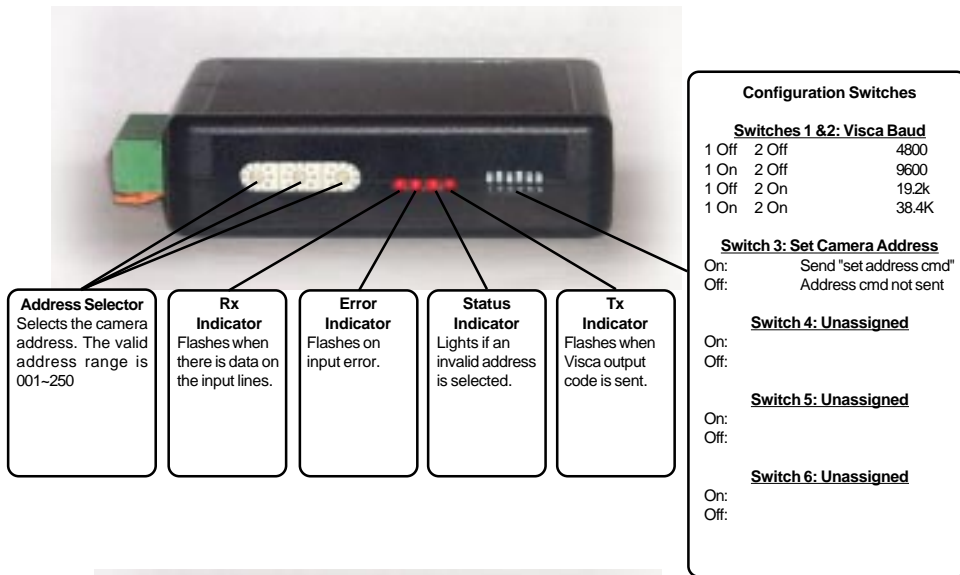# SCT-Pelco-7-Visca
Pelco RS-422 to Visca RS-232 Seven Camera Code Translator

The code translator converts Pelco camera control code to Sony Visca RS-232 code for seven Sony cameras connected in daisy chain configuration.

Input Pelco "D" or "P" code at 2400, 4800 or 9600 baud is detected automatically.
Visca RS-232 output is selectable from 2400 baud to 19200 baud.

The address selctor switches set the Pelco address for the first Sony camera in the Pelco system.

Configuration Switches

Switches 1 &2: Visca Baud

1 Off	2 Off	4800
1 On	2 Off	9600
1 Off	2 On	19.2k
1 On	2 On	38.4K

Switch 3: Set Camera Address

On:	Send "set address cmd"
Off:	Address cmd not sent

Switch 4: Unassigned
On:
Off:

Switch 5: Unassigned
On:
Off:

Switch 6: Unassigned
On:
Off:

Address Selector
Selects the camera address. The valid address range is 001~250

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 Visca output code is sent.

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.

+ −   **⏚**
RS-422   RS-232
Data   Data
Input   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

The configuration switches on not read only at power up, any changes take effect immediately.

Addressing
The address switches set the Pelco address for the first Sony camera in the daisy chain.The next Sony camera will be the next higher Pelco address, and so on up to a total of 7 cameras.
For example if the switches are set to 010, the Sony cameras will be Pelco addresses 10, 11, 12, 13, 14, 15, & 16. The valid switch range is 001 ~ 250.

Switch 3 - Set Camera Address Command.
If this switch is on, a "Set Camera Address" command will be sent on power up. Each camera in the daisy chain will be assigned an address that depends on its postion in the chain.

Baud Rates
Switches 1 & 2 set the Visca output baud rate from 4800 baud to 38400 baud.

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 (1~249).

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

OPERATION

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

Focus
Focus commands wil have an effect only if the camera is set to Manual Focus Mode.

Iris
Iris commands will have an effect only if the camera is set to Manual Iris Mode.
The iris will open or close incrementally each time the Open or Close command is sent.

Presets
Pelco presets 0~15 are converted to Visca presets 0 ~ 15. (Some cameras support fewer presets.)

There are two ways to change the camera operating mode using Aux commands or Recall Preset commands according to the following table.

Pelco Cmd	Visca Cmd	Pelco Cmd	Visca Cmd
Aux 3 Off	Manual Focus Mode	Aux 3 On	Auto Focus Mode
Aux 4 Off	Manual Iris Mode	Aux 4 On	Auto Iris Mode
Preset 21	Manual Focus Mode	Preset 22	Auto Focus Mode
Preset 23	Manual Iris Mode	Preset 24	Auto Iris Mode