SCT-100-Pelco-Quickset
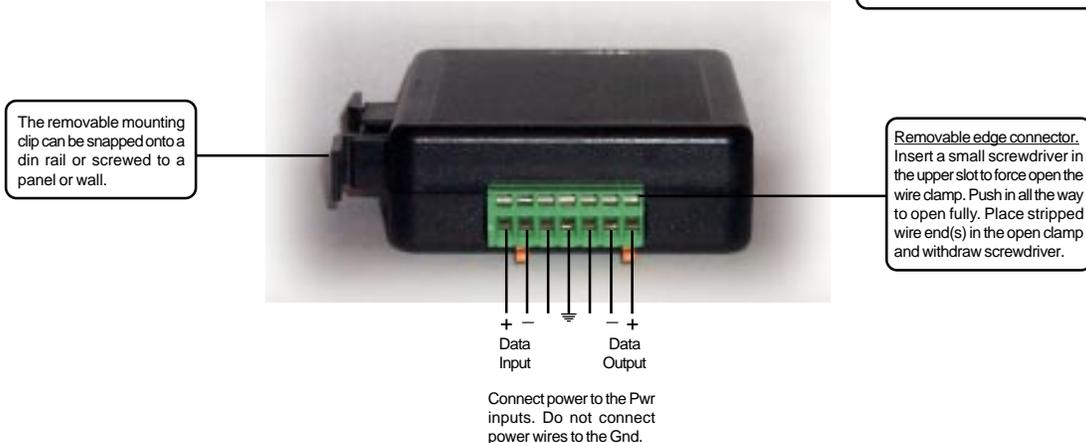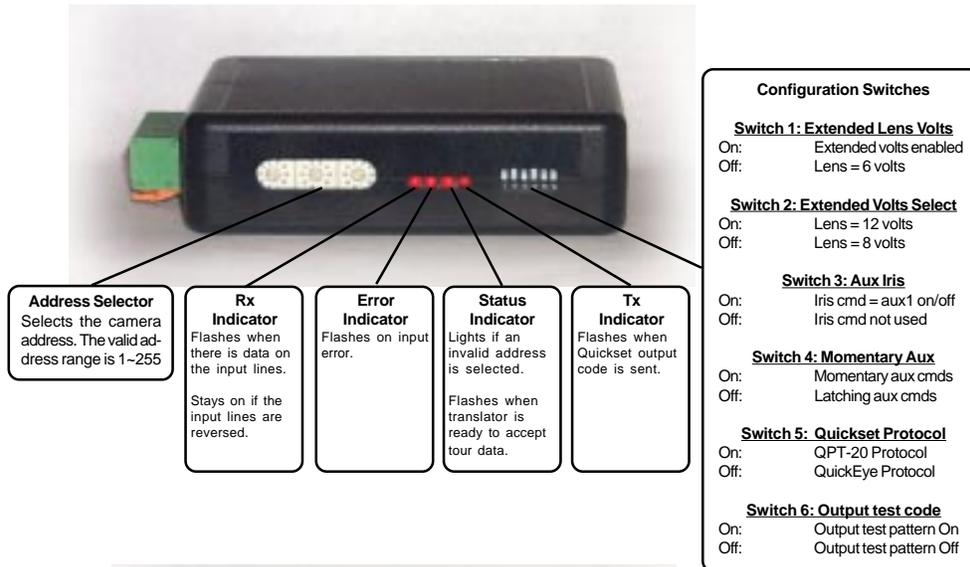# Pelco RS-422 to Quickset RS-422 Code Translator Ver 1.5

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

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

Quickset RS-422 output is 9600 N81. Either QuickEye or QPT-20 Protocol can be selected.

A test mode sends a continuous square movement pattern to the P/T so the commnunications from the translator to the P/T can be checked without a Pelco controller. The input receiver is disabled during test mode.

Configuration Switches

Switch 1: Extended Lens Volts
On: Extended volts enabled
Off: Lens = 6 volts

Switch 2: Extended Volts Select
On: Lens = 12 volts
Off: Lens = 8 volts

Switch 3: Aux Iris
On: Iris cmd = aux1 on/off
Off: Iris cmd not used

Switch 4: Momentary Aux
On: Momentary aux cmds
Off: Latching aux cmds

Switch 5: Quickset Protocol
On: QPT-20 Protocol
Off: QuickEye Protocol

Switch 6: Output test code
On: Output test pattern On
Off: Output test pattern Off

Address Selector
Selects the camera address. The valid address range is 1~255

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

Stays on if the input lines are reversed.

Error Indicator
Flashes on input error.

Status Indicator
Lights if an invalid address is selected.

Flashes when translator is ready to accept tour data.

Tx Indicator
Flashes when Quickset 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.

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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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www.sennetech.net

Switch Settings
Any changes in switch settings are effective immediately, they are not read only on power up.

Lens Zoom and Focus Motor Voltage
If switch 1 is off, the zoom and focus motor voltage is six volts.
If switch 1 is on the motor voltage is higher, either 8 volts or 12 volts, depending on switch 2.

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

Indicators
The **Rx** LED will flash when there is data on the input. If the wires are reversed, it will stay on.
The **Error** LED will flash if the input code is not recognized as valid Pelco code.
The **Status** LED will light for an valid address setting (1~255), and flash for programing tours.
The **Tx** LED will flash for each Quickset packet sent.

OPERATION

Pan, Tilt, Zoom, & Focus
The code translator converts pan, tilt, zoom, and focus commands directly.
Note: If SW5 is on for QPT-20 protocol, there are no Lens or Aux commands converted.

Iris
If switch 3 is on , Iris close and open commands active Aux 11 and Aux 12.
If switch 3 is off, Iris commands are not converted.

Aux
If Aux 11 and Aux 12 are not assigned to Iris commands, they are included in the following table:

Pelco Command	Quickset Command
Aux 1 on	Aux 1 On
Aux 2 on	Aux 2 On
Aux 3 on	Aux 1 & 2 On

(If switch 4 is On, it will be a momentary On, followed by an Off 1/2 second later.)

Pelco Command	Quickset Command
Aux 1~3 off	All Aux off
Aux 4 On	Reset P/T

Presets
Pelco presets from 1~31 are converted to Quickset presets.
Other preset commands are converted according to the following table:

Pelco Command	Quickset Command
Pgrm Preset 34	Temporarily override soft limits.
Pgrm Preset 35	Set CW soft limit
Pgrm Preset 36	Set CCW soft limit
Pgrm Preset 37	Set Up soft limit
Pgrm Preset 38	Set Down soft limit

Tours
Pelco run pattern 0~3 will start a Quickset preset tour.

To progam a tour, send Pelco progarm pattern 0~3. This will send a Quickset "flush preset tour" command to clear any previous data. The Status Led will start flashing, indicating the code translator is ready for tour data.The tour data consists of a preset number paired with a dwell time. Use Preset command for the preset number. Use On command for the dwell time in seconds. Each time a preset number is followed by a dwell time, a Quickset "append to preset tour" command will be sent. After all the desired tour data is loaded, any command other than a goto preset will end the process and turn off the Status Led..