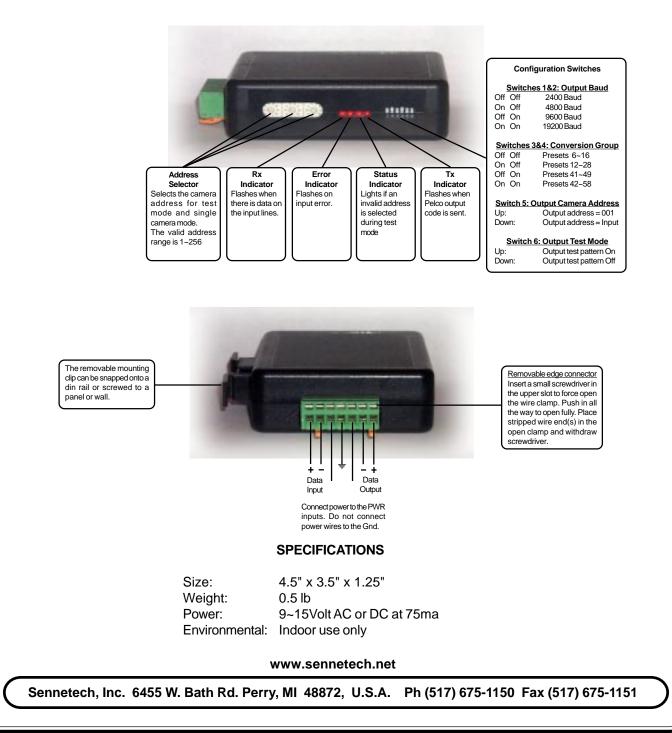
# SC-50-Pelco-FLIR Pelco RS-422 Code Covertor for FLIR Cameras Version 2.0

Converts Pelco RS-422 camera control code into Pelco "D" code with selected preset groups converted into auxiliary On and Off commands for FLIR camera functions.

Input Pelco "D" or "P" code at 2400, 4800, 9600, or 19200 baud is detected automatically. Output is always "D" code with switch selectable baud rate.

A test mode sends a continuous square movement pattern to the camera so the wiring and addressing between the translator and the camera can be checked without a Pelco controller.



## **NOTES**

## **Configuration Switches**

Configuration switches are not read only at power up, any changes take effect immediately.

## 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) while test mode is enabled.

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

### Addressing

If switch 5 is Off, the code for all input addresses will be converted and sent to the output with the same address. If switch 5 is On, input data for only one camera, determined by the address selection switches, will be converted and the output address will always be to camera #1.

### **Test Mode**

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 controller. Turn the switch Off to return to normal operation.

### **Preset to Aux Conversion**

FLIR cameras use Pelco Auxiliary 1~9 On/Off commands for certain functions. Some Pelco control systems are limited in the number of Auxiliary commands they can send. For these systems, the code convertor can be configured for one of four Preset to Auxiliary conversion groups In three of the groups, the operator will get the same result by sending either Goto Preset or Set Preset. Preset group 41-49 converts Goto Preset into Aux On and Set Preset into Aux Off commands.

Preset Group 6~16		Preset Group 12~28		Preset Group 41~49		Preset Group 42~58	
Preset 6	Aux 1 On/Off	Preset 12	Aux 1 On/Off	Goto Preset 41 Set Preset 41	Aux 1 On Aux 1 Off	Preset 42	Aux 1 On/Off
Preset 7 Preset 8 Preset 9 Preset 10 Preset 11	Aux 2 On Aux 2 Off Aux 3 On Aux 3 Off Aux 4 Off	Preset 13 Preset 14 Preset 15 Preset 16 Preset 17 Preset 18	Aux 2 On Aux 2 Off Aux 3 On Aux 3 Off Aux 4 On Aux 4 Off	Goto Preset 42 Set Preset 42 Goto Preset 43 Set Preset 43 Goto Preset 44 Set Preset 44	Aux 2 On Aux 2 Off Aux 3 On Aux 3 Off Aux 4 On Aux 4 Off	Preset 43 Preset 44 Preset 45 Preset 46 Preset 47 Preset 48	Aux 2 On Aux 2 Off Aux 3 On Aux 3 Off Aux 4 On Aux 4 Off
Preset 12 Preset 13	Aux 5 Off Aux 6 On	Preset 19 Preset 20 Preset 21 Preset 22	Aux 5 On Aux 5 Off Aux 6 On Aux 6 Off	Goto Preset 45 Set Preset 45 Goto Preset 46 Set Preset 46	Aux 4 Off Aux 5 On Aux 5 Off Aux 6 On Aux 6 Off	Preset 49 Preset 50 Preset 51 Preset 52	Aux 5 On Aux 5 Off Aux 6 On Aux 6 Off
Preset 14 Preset 15 Preset 16	Aux 7 On Aux 7 Off Aux 9 Off	Preset 23 Preset 24 Preset 25 Preset 26 Preset 27 Preset 28	Aux 7 On Aux 7 Off Aux 8 On Aux 8 Off Aux 9 On Aux 9 Off	Goto Preset 47 Set Preset 47 Goto Preset 48 Set Preset 48 Goto Preset 49 Set Preset 49	Aux 7 On Aux 7 Off Aux 8 On Aux 8 Off Aux 9 On Aux 9 Off	Preset 53 Preset 54 Preset 55 Preset 56 Preset 57 Preset 58	Aux 7 On Aux 7 Off Aux 8 On Aux 8 Off Aux 9 On Aux 9 Off