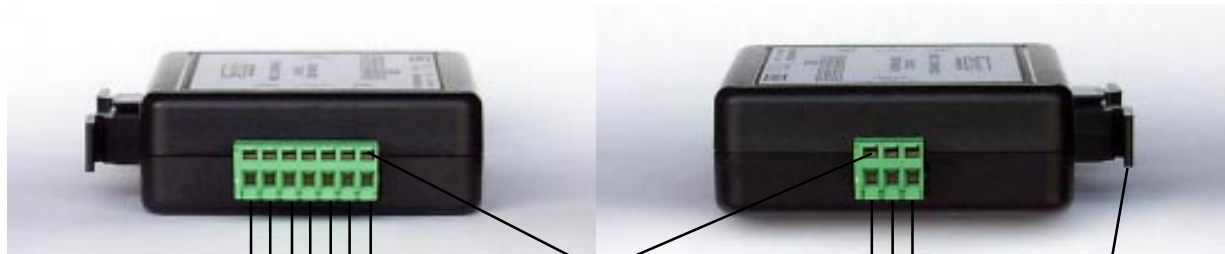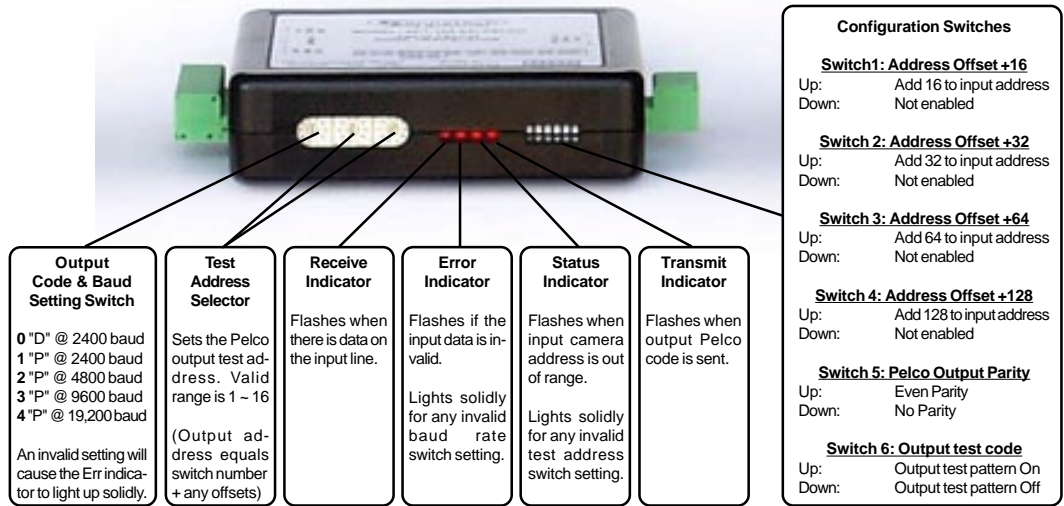# SCT-PANASONIC-16-PELCO
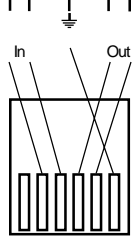# Panasonic RS-485 to Pelco RS-422 Code Translator Version

The code translator converts Panasonic RS-485 camera control code into Pelco RS-422 code for up to sixteen P/T/Zs. Pelco output addresses can be offset from the input addresses in multiples of 16.

Panasonic input baud rates from 2400 to 19200 are detected automatically. The Pelco output can be "D" code at 2400 baud or "P" code from 2400 to 19200 baud. The output can also be set to even parity which is required by some Pelco devices, such as a CM9760CXT.

A test mode sends a continuous square movement pattern to the P/T/Z so communication between the translator and the P/T/Z can be tested without a Panasonic controller.

Configuration Switches

Switch1: Address Offset +16
Up: Add 16 to input address
Down: Not enabled

Switch 2: Address Offset +32
Up: Add 32 to input address
Down: Not enabled

Switch 3: Address Offset +64
Up: Add 64 to input address
Down: Not enabled

Switch 4: Address Offset +128
Up: Add 128 to input address
Down: Not enabled

Switch 5: Pelco Output Parity
Up: Even Parity
Down: No Parity

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

Output Code & Baud Setting Switch

0 "D" @ 2400 baud
1 "P" @ 2400 baud
2 "P" @ 4800 baud
3 "P" @ 9600 baud
4 "P" @ 19,200 baud

An invalid setting will cause the Err indicator to light up solidly.

Test Address Selector

Sets the Pelco output test address. Valid range is 1 ~ 16

(Output address equals switch number + any offsets)

Receive Indicator

Flashes when there is data on the input line.

Error Indicator

Flashes if the input data is invalid.

Lights solidly for any invalid baud rate switch setting.

Status Indicator

Flashes when input camera address is out of range.

Lights solidly for any invalid test address switch setting.

Transmit Indicator

Flashes when output Pelco code is sent.

Connect power to the PWR inputs. Do not connect power wires to the Gnd.

In   Out

T T R R G
(A)(B)(A)(B)

Panasonic Viewed from contact side

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.

+ — ⏚

Pelco RS-422 Output

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

SPECIFICATIONS

Size: 4.5" x 3.5" x 1.25"
Weight: 0.5 lb
Power: 9Volt to 15Volt AC or DC at 75ma
Environmental: Indoor use only

www.sennetech.net

Sennetech, Inc. 6455 W. Bath Rd, Perry, MI 48872 U.S.A.   Ph (517) 675-1150 Fax (517) 675-1151

Panasonic Controller Settings: Panasonic controller should be set for 4 wire communication.

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

Camera Addressing: Input code for Panasonic camera addresses 1 ~ 16 is translated.

The address offset switches can be used to control Pelco cameras with addresses above the Panasonic input addresses.Each offset switch adds a number to the input address before it is sent to the Pelco camera.

Example: Switches 1 & 3 On; +16 +64 = +80.
Panasonic commands for camera #1 will be sent to Pelco camera #81.

Test Mode: When the test switch is on, the translator will send a square motion pattern to the Pelco camera # determined by the test address switches (1 ~16) (+ address offsets).

Indicators
The **Rx** LED will flash when there is data on the input.

The **Error** LED will flash if the input code is not recognized as valid Panasonic code.
It will light continuously if an invalid output baud rate is selected.

The **Status** LED will flash if data is received for camera addresses other than in the selected range.
It will light continuously if the code translator's address switches are set to other than 1 ~ 16.

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

OPERATION

PTZ
The code translator converts pan, tilt, zoom, focus and iris code directly into Pelco code

Presets
Panasonic preset range is 1~64, Pelco preset range is 1~99. In order to be able to access Pelco presests up to 99, the code translator automatically adds [40] to all preset numbers 40 and up. Thus Panasonic preset 40 will be converted to Pelco preset 80, and preset 59 will become preset 99.

Additional commands are converted according to the following table.

PANASONIC COMMAND	PELCO COMMAND
Auto Pan	Preset 99 (Autopan)
Auto Iris	Auto Iris On
Auto Focus	Auto Focus On
Wiper On/Off	Aux 1 On/Off
Aux 1 On/Off	Aux 1 On/Off
Aux 2 On/Off	Aux 2 On/Off
Patrol Learn	Record pattern
Patrol Stop	End pattern recording
Patrol Play	Run pattern
Backlight Comp On/Off	Backlight Comp On/Off

Dome Programming

Pgm Pset 55	Pgm Pset 95 (Display onscreen menu)
	(Use Tilt to navigate, Iris Open to select.)