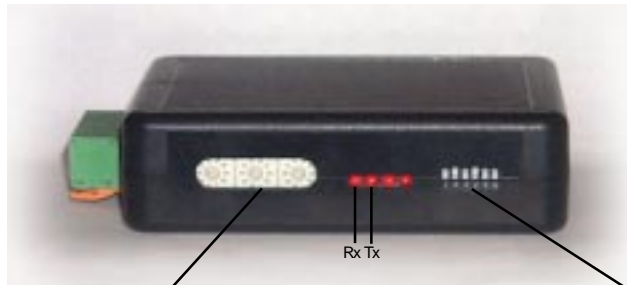


SCT-100-Bosch-Pelco

Bosch Biphasse to Pelco RS-422 Code Translator Ver 1.3

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

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 Bosch controller.



Address Selector
Selects the camera address. The valid address range is 1-999.

Indicators
The Rx indicator flashes when there is valid Bosch biphasse data on the input line.
(If the input polarity is reversed, the Rx indicator will not illuminate.)

The Tx indicator flashes when output data is sent.

- Configuration Switches**
- Switch 1: Pelco Output Code Type**
Up: Pelco "P" code
Down: Pelco "D" code
- Switch 2: "P" Code Baud Rate**
Up: 9600 Baud
Down: 4800 Baud
- Switch 3: "P" Code Parity**
Up: Even Parity
Down: No Parity
- Switch 4: Not assigned**
Up: Autospeed Enabled
Down: Autospeed Disabled
- 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.

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.

+ - Pwr Pwr - +
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: 9Volt to 15Volt AC or DC at 75ma
- Environmental: Indoor use only

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Pelco Code Type

Both "P" code and "D" code are supported.

Baud Rates

If "P" code is selected, the output can be either 4800 baud or 9600 baud.

If "D" code is selected, the output is fixed at 2400 baud.

Parity

If "P" code is selected, the output can be set for either no parity or even parity.

If "D" code is selected, switch 3 is ignored and the output is fixed at no parity.

Autospeed

When receiving fixed speed Bosch pan and tilt commands, the code translator assigns a speed value to the Pelco output code. If switch 4 is Off, this is a medium speed. If switch 4 is On, it starts with a slow speed and then gradually increases speed.

Addressing

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

Note: Version 1.3 removes the "P" code address limit of 32, addresses now roll over at 257.

If switch 5 is On, the Pelco output code will always be sent to camera #1

Test Pattern

When switch 6 is on, the translator sends a continuous small square movement pattern to the camera. The input is not active while the test pattern is On.

Indicators

The **Rx** LED will flash when valid Bosch biphase data is received.

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

OPERATION

Bosch pan, tilt, zoom, focus, iris, pre-position and aux commands 1~8 are converted to the equivalent Pelco commands. Higher aux commands are used to send Pelco extended commands according to the following table

<u>BOSCH CMD</u>	<u>PELCO CMD</u>
ON 41~48	Program Zone Start 1~8
OFF 41~48	Program Zone End 1~8
ON 49	Zone Scan ON
OFF 49	Zone Scan OFF
ON 61~68	Alarm Acknowledge 1~8
(Pelco's pattern can be recorded and run as either a full pattern or two halves.)	
ON 71	Run 1st half pattern
ON 72	Run 2nd half pattern
ON 73	Run full pattern
ON 81	Start Recording 1st half pattern
ON 82	Start Recording 2nd half pattern
ON 83	Start Recording full pattern
OFF 81	End 1st half pattern recording
OFF 82	End 2nd half pattern recording
OFF 83	End full pattern recording
SET 95	Start Dome Program
	(Use Tilt to navigate the menu and Iris Open to select items.)