SCT-100-Biphase-AD
Philips Biphase to AD Manchester Code Translator

The code translator converts Philips biphase camera control code to American Dynamics manchester code for a single P/T/Z. Only camera commands for the address matching the Address Selector switches will be converted.

The address conversion rolls over at 64: Philips 65 is converted to AD address 1.

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 Philips controller.

Address Selector
Selects the Philips camera address. The range is 1~1000. (0 = Address 1000)

Rx Indicator
Flashes on valid biphase input.

Error Indicator
Flashes on input error.

Status Indicator

Tx Indicator
Flashes when manchester code is sent.

Configuration Switches

Switch 1: AD Code Type

Switch 2: Not assigned

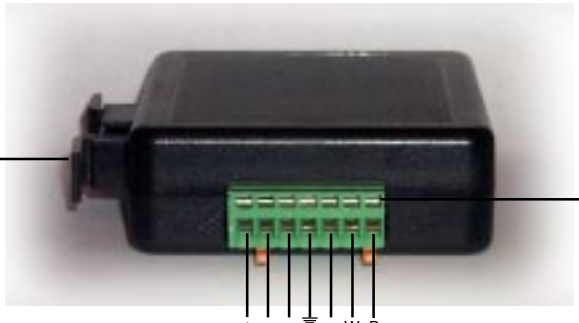
Switch 3: Not assigned

Switch 4: AD Code Type
Up: Fixed speed (For old receivers)
Down: Variable speed

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.



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 Input AC AC Power Data Output

Connect power to the AC 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 to15 Volt AC or DC at 75ma
Environmental:	Indoor use only

Sennetech, Inc. 3990 Capital City Blvd. Lansing, MI 48906 Ph (517) 321-1905 Fax (517) 321-8750

NOTES

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

If switch 5 is ON. the output code is always addressed to camera #1. Otherwise, the output code address is determined by the Address Switches. The highest possible AD manchester address is 64. The output addresses are rolled over at multiples of 64. Thus, 65 is converted to 1, 66 is converted to 2, 129 is converted to 1, 130 is converted to 2, etc.

Indicators
The **Rx** LED will only when valid biphase data is detected.

The **Error** LED will flash if the input on invalid input code.

The **Tx** LED flashes when AD code is sent. It will flash at a high rate while the camera is moving.

OPERATION

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

Speed
With switch 4 Off, the output is variable speed AD code. Some older AD receivers can not correctly read variable speed commands. For these, set switch 4 to On, limiting the output to AD fixed speed commands.

Variable speed capable receivers will interpet fixed speed code as the highest variable speed.

Presets
AD manchester code supports 72 presets, any higher Philips presets are ignored.

Presets
AD manchester code supports 3 Aux Off/On commands, any higher Philips Off/On commands are ignored.