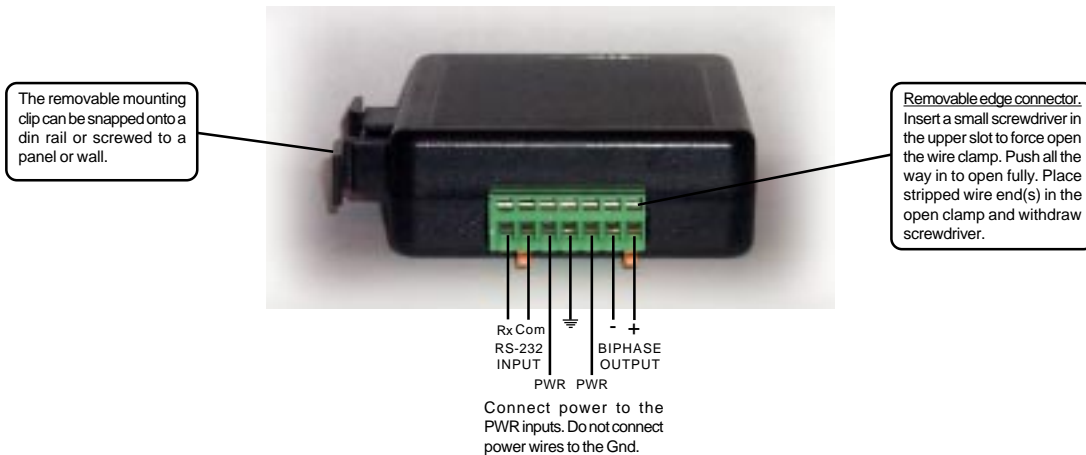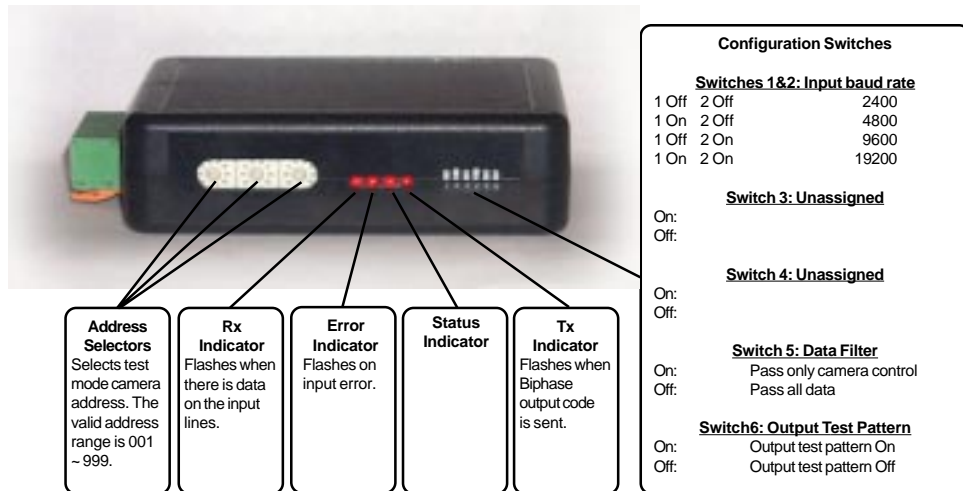# MODEL SC-50-RS232-BIPHASE

BOSCH RS-232 To BOSCH BIPHASE CODE CONVERTER

Converts Bosch RS-232 into Bosch biphase code format. The RS-232 input supports baud rates from 2400 to 19200.

The input data can be filtered to pass only camera control information.

A test mode sends a square counterclockwise movement pattern to the selected camera address. This can be use to test the configuration and connections to a camera without a controller.

Configuration Switches

Switches 1&2: Input baud rate

1 Off	2 Off	2400
1 On	2 Off	4800
1 Off	2 On	9600
1 On	2 On	19200

Switch 3: Unassigned

On:
Off:

Switch 4: Unassigned

On:
Off:

Switch 5: Data Filter

On: Pass only camera control
Off: Pass all data

Switch6: Output Test Pattern

On: Output test pattern On
Off: Output test pattern Off

Address Selectors
Selects test mode camera address. The valid address range is 001 ~ 999.

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

Error Indicator
Flashes on input error.

Status Indicator

Tx Indicator
Flashes when Biphase 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 all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

Rx Com
RS-232 INPUT
PWR PWR
- +
BIPHASE 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

www.sennetech.net

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Switch Settings

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

Switches 1 & 2

There are four selectable baud rates, 2400, 4800, 9600, & 19200. If the controller baud rate is not known, change the input baud rate until the Error LED does not flash when there is input data.

Switch 5

If switch5 is on, only camera control data is converted. This can reduce the amount of data on a network or RF link.

Test mode.

When switch 6 is on, a square movement pattern is sent to the camera number selected by the test address switches. The input is disabled during test mode.

Indicators

The **Rx** LED will flash when there is any data on the input.
If it is on constantly, the input lines are likely reversed.

The **Error** LED will flash on any input data error, such as incorrect baud rate or non-valid Bosch format.

The **Status** LED - not used

The **Tx** LED flashes once for each Bosch bi-phase packet sent.