



SCT-1065

**CAMERA CONTROL CODE TRANSLATOR
BOSCH BIPHASE to COHU RS-422 Ver. 1.0**

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PRODUCT DESCRIPTION

The SCT-1065 is an Bosch biphas to Cohu code translator designed to permit control of Cohu CCUs from Bosch controllers. It receives Bosch biphas code and transmits the appropriate commands in Cohu RS-422 format at 9600 baud. There are four independent Cohu outputs.

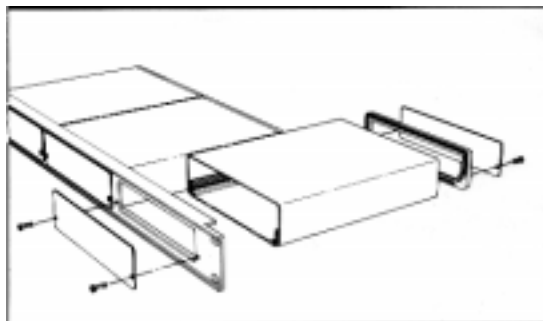
The maximum Cohu receiver address is 223. The code translator can be programmed via internal switches to offset the biphas addresses to one of eight groups. This allows the use of higher biphas addresses.

The code translator is contained in a standard 19" electronic housing (one rack unit high). Input and output connections are made with removable screw terminal connectors. Front panel LEDs indicate status of power, receive, and transmit.

SPECIFICATIONS

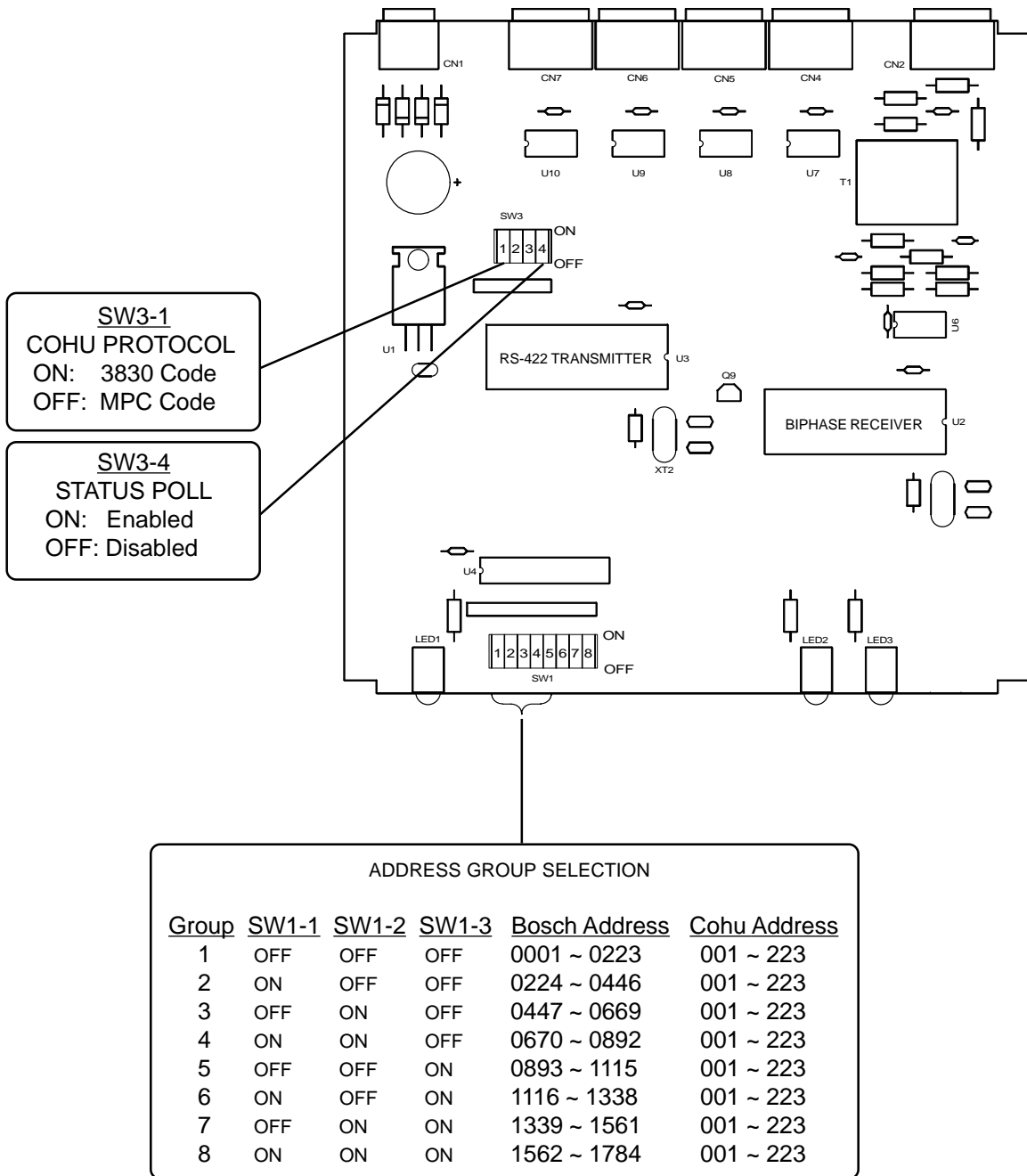
SIZE:	19"W x 1.75H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	9Volt to 18Volt AC or DC at .75 Watts
INDICATORS:	Front panel LEDs: Power, Rx, & Tx
BIPHASE INPUT:	(1) 3-pin mating screw terminal connector
COHU OUTPUTS:	(4) 3-pin mating screw terminal connectors

To install the case on the rack mount frame, remove the front panel and the plastic bezel. The rack mount frame takes the place of the bezel as shown below.



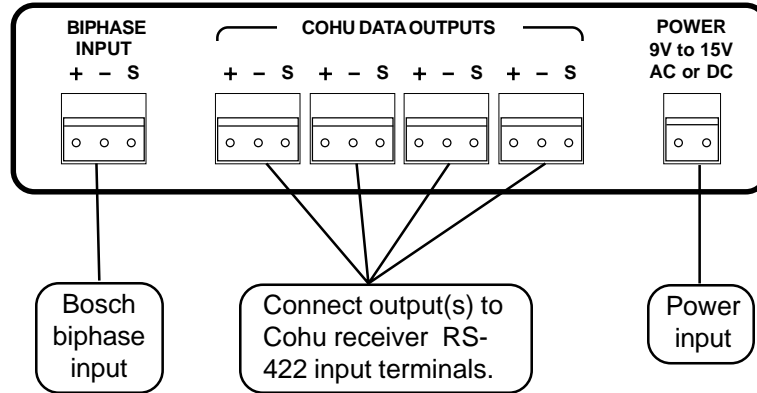
SETTING THE SWITCHES

To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.

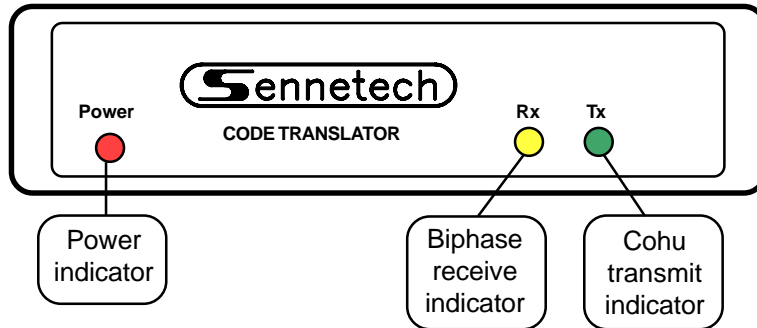


INSTALLATION

REAR PANEL



FRONT PANEL



The code translator works in simplex mode without using the receiver response, so only one pair of data wires is required. The response lines can be connected to other equipment for processing status and alarm data.

The Rx indicator will flash while biphase code is being received. Since biphase code is repeating, it will flash continuously while a camera is being moved.

If there is no Rx indication, check that the input is indeed biphase code and that the input wires are not reversed.

If there is Rx but no Tx, possible causes are:

The incoming Bosch biphase code is not camera control code.

The command is addressed to a camera that is not in the configured address group.

If the Rx and Tx LEDs indicate normal operation but there is no camera movement, possible causes are:

The output wires are not connected properly.

The data packet address and CCU switch settings do not match.

OPERATION

Bosch Pan, Tilt, Zoom, Focus, and Iris commands are converted to the equivalent Cohu commands. Additional commands will be converted according to the following table.

<u>Biphase Command</u>	<u>Cohu Command</u>
Shot 1 ~ 63 Set 1 ~ 63	Store Preset 0 ~ 62 Recall Preset 0 ~ 62
Shot 67	Status Query (CCU responds with toggle bit status and alarm bit status.)
MPC Protocol (Switch 3-1 Off)	
Shot 70	Toggle Camera Power Relay
Shot 71	Toggle Aux 1 Relay
Shot 72	Toggle Aux 2 Relay
Shot 73	Toggle Aux 3 Relay
Shot 74	Toggle Auto/Manual Iris
Shot 75	Toggle Lens Speed
Shot 76	Increase Blue
Shot 77	Increase Red
Shot 78	Color Balance Stop
3830 Protocol (Switch 3-1 is ON)	
Shot 80	WB Auto
Shot 81	WB Set
Shot 82	WB Lock
Shot 83	WB Indoor
Shot 84	WB Outdoor
Shot 85	WB Fluorescent
Shot 86	Iris Auto
Shot 87	Iris Manual
Shot 88	Focus Auto
Shot 89	Focus Manual
Shot 90	BLC Off
Shot 91	BLC On
Shot 92	Digital Zoom Off
Shot 93	Digital Zoom 2X
Shot 94	Digital Zoom 4X
Shot 95	Digital Zoom 8X

