

Sennetech

SCT-1003

CAMERA CONTROL CODE TRANSLATOR
BOSCH BIPHASE to VICON RS422 ver 4.0

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PRODUCT DESCRIPTION

The LTC 8782/XX-01 is a Bosch to Vicon code translator designed to permit control of Vicon VPS system receivers from Bosch Allegiant controllers. It receives Bosch biphasic code and transmits the appropriate commands in Vicon RS-422 format. There are four independent Vicon outputs.

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

Internal configuration switches are used to set the operation of the code translator.

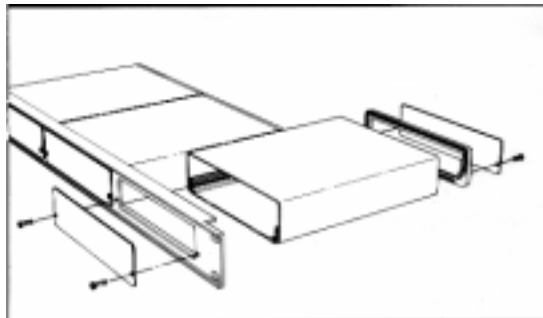
Bosch camera addresses are converted to one of sixteen Vicon address groups of 256.

The Vicon RS-422 output can be either 9600 baud or 4800 baud.

SPECIFICATIONS

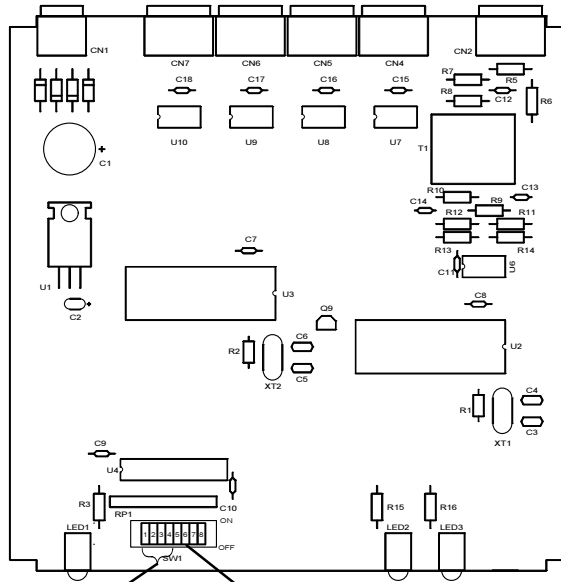
SIZE:	5.57"W x 1.52H x 5.45D
WEIGHT:	1.5 lb
POWER:	9Volt to 15Volt AC or DC at 75ma
INDICATORS:	Front panel LEDs: Power, Rx, & Tx,
BOSCH BIPHASE INPUT:	(1) mating 3-pin screw terminal
VICON RS-422 OUTPUT:	(4) mating 3-pin screw terminal

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 with power ON and the new settings will take affect immediately.



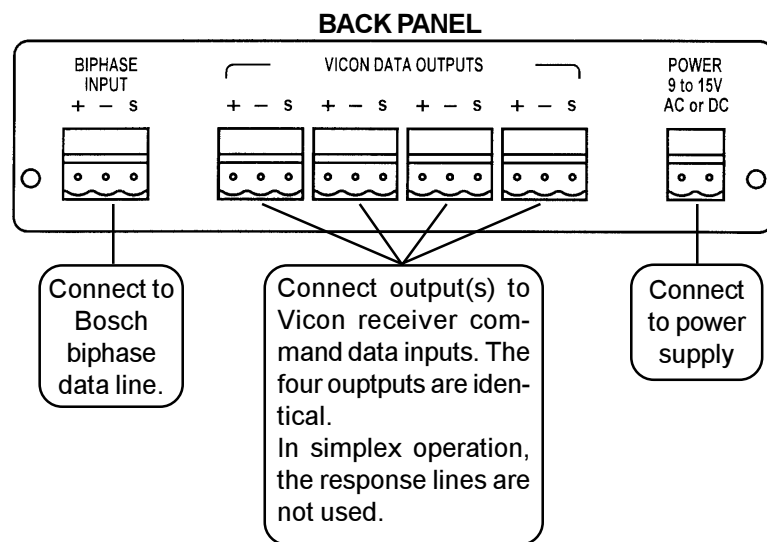
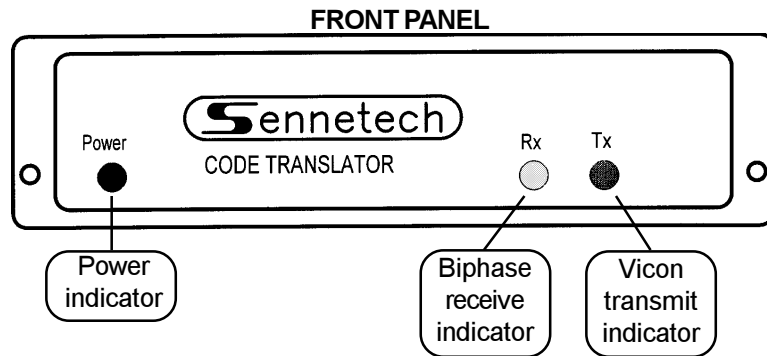
SW1-1, SW1-2, SW1-3, & SW1-4 ADDRESS GROUP SELECTION

SW1	SW2	SW3	SW4	BOSCH	VICON
OFF	OFF	OFF	OFF	1~256	1~256
ON	OFF	OFF	OFF	257~512	1~256
OFF	ON	OFF	OFF	513~768	1~256
ON	ON	OFF	OFF	769~1024	1~256
OFF	OFF	ON	OFF	1024~1280	1~256
ON	OFF	ON	OFF	1281~1536	1~256
OFF	ON	ON	OFF	1537~1792	1~256
ON	ON	ON	OFF	1793~2048	1~256
OFF	OFF	OFF	ON	2049~2304	1~256
ON	OFF	OFF	ON	2305~2560	1~256
OFF	ON	OFF	ON	2561~2816	1~256
ON	ON	OFF	ON	2817~3072	1~256
OFF	OFF	ON	ON	3073~3328	1~256
ON	OFF	ON	ON	3329~3584	1~256
OFF	ON	ON	ON	3585~3840	1~256
ON	ON	ON	ON	3841~4096	1~256

SW1-6

VICON BAUD RATE

ON: 9600 Baud
OFF: 4800 Baud



Because of the different nature of Bosch and Vicon code structure, the indicators will show different patterns. The Rx indicator will flicker while Bosch biphase code is being received. (If the polarity is reversed, it should not light.) The Tx indicator will flash only when the Vicon output command changes. Thus if you initiate a Bosch pan command, the Rx indicator should flicker as long as the joystick is deflected, but the Tx indicator will flash only at the start of the pan and again at the end, or whenever the speed is changed.

The Rx indicator will also indicate if Bosch is sending data other than camera control commands.

OPERATION

Bosch pan, tilt, zoom, focus, and iris commands are converted to the appropriate Vicon commands.

Bosch pre-position commands "Set" & "Shot" 1 thru 99 are converted to Vicon "Program" & "Run" commands.

Since Bosch aux commands are repeating, high pre-position commands are used for Vicon toggling commands according to the following table.

<u>BOSCH COMMAND</u>	<u>VICON COMMAND</u>
Shot 101	Aux 1
Shot 102	Aux 2
Shot 103	Aux 3
Shot 104	Aux 4
Shot 105	Aux 5
Shot 106	Aux 6
Shot 107	Auto pan
Shot 108	Auto Iris
Shot 109	Lens speed
Shot 110	Alarm acknowledge

