

**Sennetech**

**SCT-1078**

**CAMERA CONTROL CODE TRANSLATOR  
BOSCH BIPHASE to VCL RS-485 Ver. 1.0**

[www.sennetech.net](http://www.sennetech.net)

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## PRODUCT DESCRIPTION

The SCT-1078 is a Bosch to VCL camera control code translator designed to permit control of VCL cameras from Bosch controllers. It receives Bosch biphasic commands and transmits the appropriate commands in VCL RS-485 code format.

VCL RS-485 output is sent at 9600 baud N81.  
There are four independent outputs.

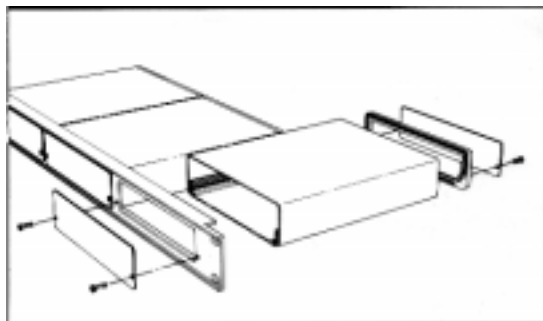
Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate power, receive, transmit, and status.

There is an optional 19" rack mount panel (one rack unit high).

## SPECIFICATIONS

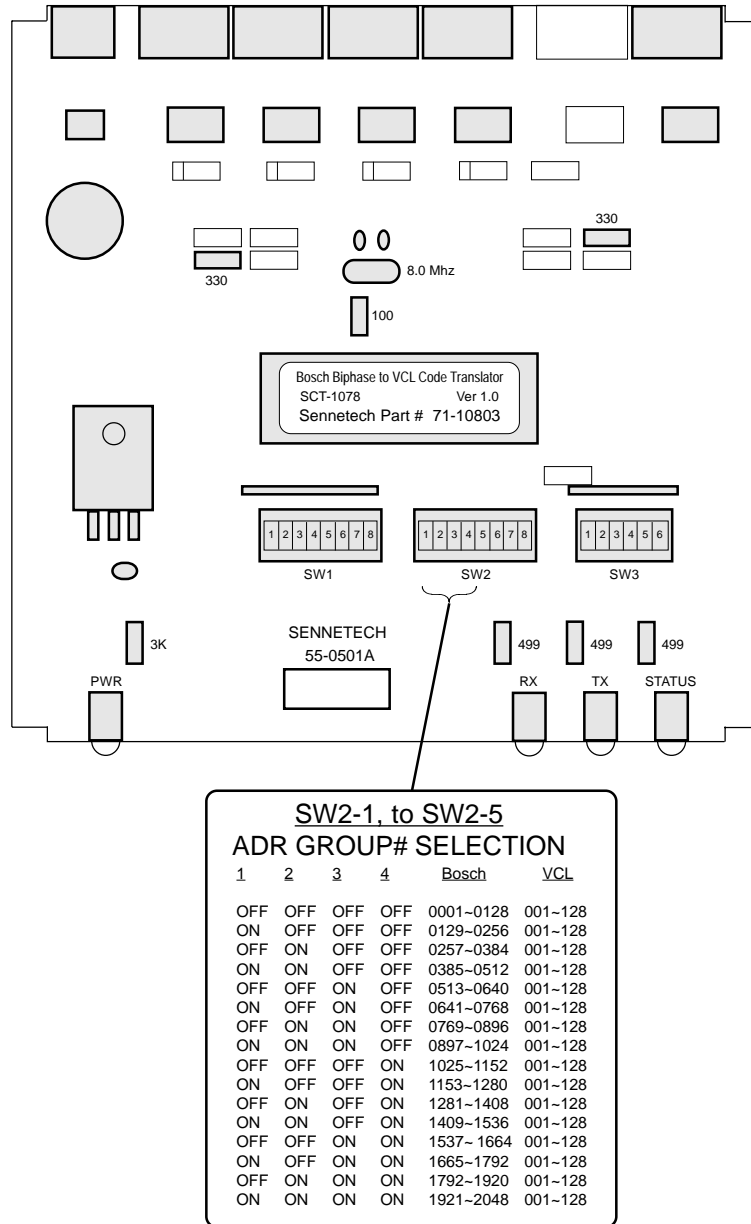
SIZE:	19"W x 1.75H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	9Volt to 15Volt AC or DC at .75 Watts
INDICATOR:	Front panel LEDs: Power, Rx, Tx, and Status
BIPHASE INPUT:	(1) 3-pin mating screw terminal connector
RS-485 OUTPUTS:	(4) 3-pin mating screw terminal connectors

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

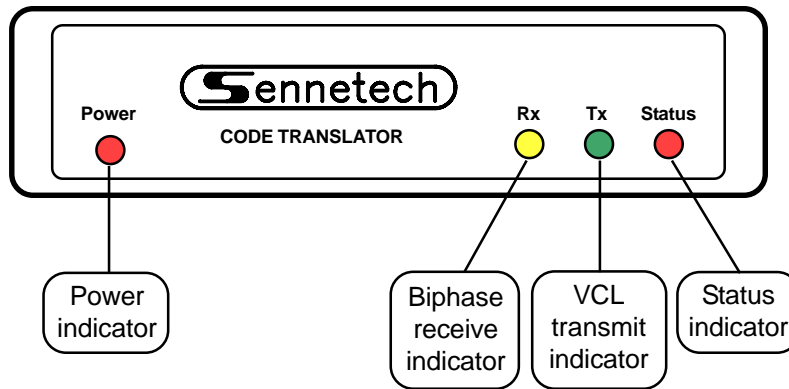
To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.



VCL address range is 001 to 128. Higher camera addresses on a Bosch matrix can be used by setting the address selector switches.

# INSTALLATION

## FRONT PANEL



### Indicators

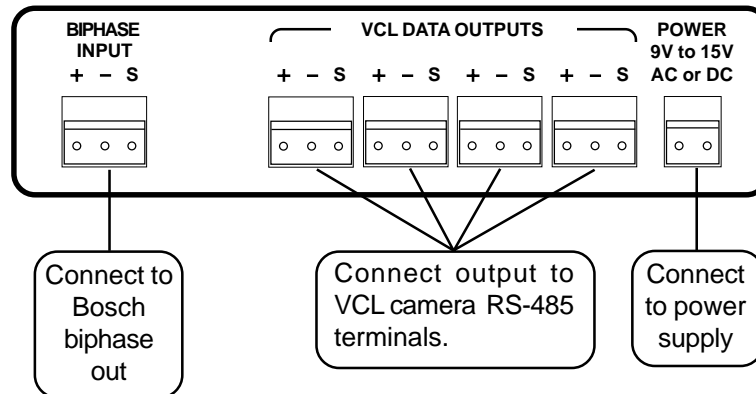
The **Rx** LED will only flash when valid biphase data is detected.

The **Tx** LED flashes when VCL code is sent.

The **Status** LED will flash if the input code is invalid.

The **Status** LED will blink while the code translator is in VCL tour programming mode.

## REAR PANEL



## OPERATION

### PTZ

The code translator converts Pan, Tilt, Zoom, Focus, and Iris commands directly.

### Presets

Bosch [Shot] and [Set] [1~127] are converted to VCL Seek Preset and Define Preset (1~127).

### Auxiliary (Off & On)

Except as listed below, Bosch [Off] and [On] commands are converted to VCL numbered Aux Off and On.

Other commands are converted according to the following table.

<u>Bosch Command</u>	<u>VCL Command</u>	<u>Bosch Command</u>	<u>VCL Command</u>
Aux 2 Off	Autopan Off	Aux 2 On	Autopan On
Aux 3 Off	Auto Iris Off	Aux 3 On	Auto Iris On
Aux 4 Off	Auto Focus Off	Aux 4 On	Auto Focus On
Aux 5 Off	Wash Off	Aux 5 On	Wash On
Aux 6 Off	Wipe Off	Aux 6 On	Wipe On
Aux 7 Off	Automatic Mono/Color	Aux 7 On	Toggle Mono/ Color

### Tours

On 51, 52, or 53	Run Tour 1, 2, or 3
On 61, 62, or 63	Define Tour Start 1, 2, or 3

VCL tours consist of a list of presets combined with a speed to that preset and a dwell time at that preset. To program a tour, send Bosch [On 61], [On 62], or [On 63]. The code translator then sends the VCL Define Tour Start command, the Status LED starts flashing to indicate that it is in tour programming mode, and the default speed of 30 degrees/second and dwell time of 60 seconds are loaded.

Each time a Set (1-127) command is received, a VCL Store Tour Point Data command is sent, which includes that preset number, the speed to that preset, and the dwell time at that preset.

The speed or dwell time can be changed at any time during tour programming using the following commands.

On 1~99	Speed = 1~99 degrees/sec (On 100 = max speed)
Off 1~255	Dwell time = 1~255 seconds.

To end programming, send any Pan, Tilt, Zoom, Focus, or Iris command. The VCL Define Tour Stop command is sent and the code translator returns to normal operation.

Note: If the VCL dome is in Define Tour mode, it will not respond to any other commands. If, for some reason, it does not get the Define Tour Stop command, it cannot be controlled. Use [Off 61], [Off 62], or [Off 63] to resend the Define Tour Stop command to regain control of the dome.

