

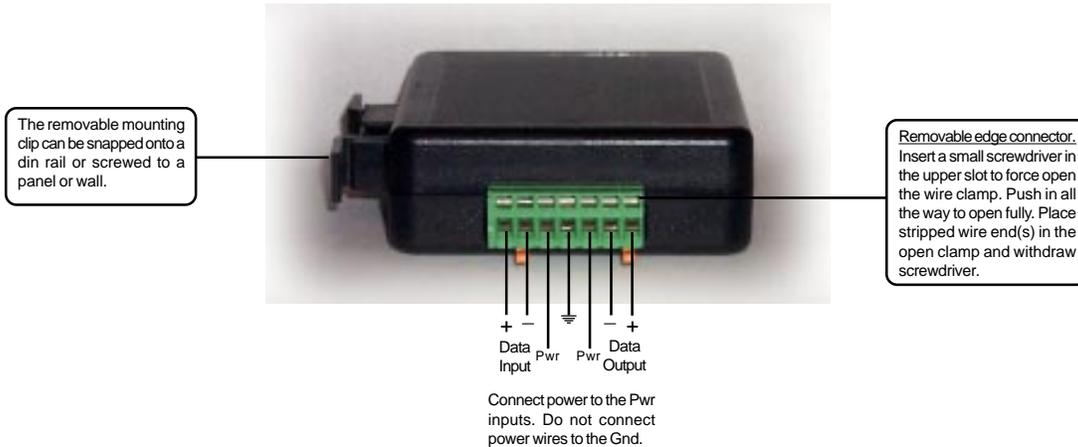
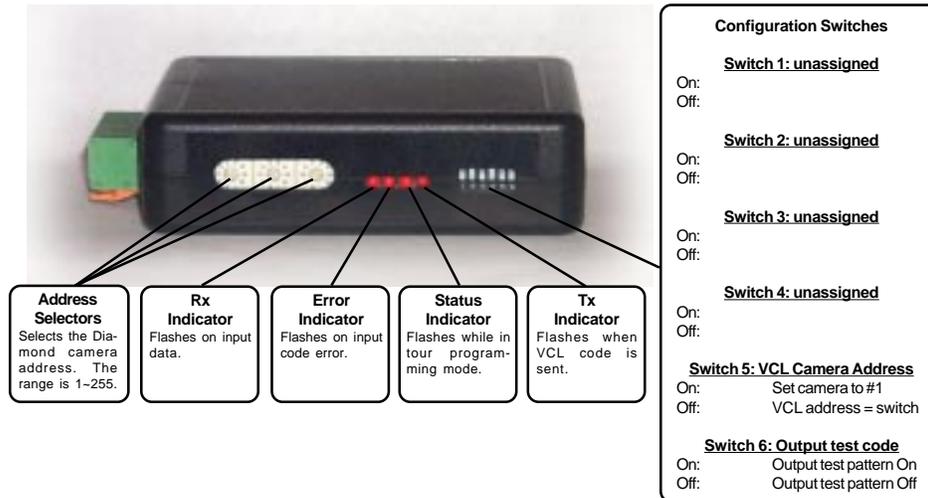
# SCT-100-DIAMOND-VCL

## Diamond RS-422 to VCL RS-485 Code Translator

The code translator Diamond RS-422 camera control code into VCL- RS-485 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 128, Diamond address 129 is converted to VCL 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 Diamond controller.



### 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

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

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## 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 VCL address is 128. The output addresses are rolled over at multiples of 128. Thus, 129 is converted to 1, 130 is converted to 2, etc.

### **Indicators**

The **Rx** LED will flash when any data is detected on the input

The **Error** LED will flash if the input data is not recognized as Diamond code.

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

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

## OPERATION

### **PTZ**

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

### **Presets**

Diamond Preshot and Pgm Preshot (1~99) are converted to VCL Seek Preset and Define Preset (1~99).

### **Auxiliary (Off & On)**

Except as listed below, Diamond Off and On commands are converted to VCL numbered Aux Off & On.

Other commands are converted according to the following table.

<u>Diamond Command</u>	<u>VCL Command</u>	<u>Diamond 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		
Run Vscan 1, 2, or 3	Run Tour 1, 2, or 3		
On 61, 62, or 63	Define Tour Start 1, 2, or 3	Off 61, 62, 63	Define tour stop

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 Diamond [On 61], [On 62], or [On 63]. The code translator sends the VCL define tour start command, the Status LED starts flashing indicating it is in tour programming mode, and the default speed of 30 degrees/second and dwell time of 60 seconds is loaded.

Each time a Preshot (1-99) 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 = 1~98 degrees/sec (On 99 = max speed)
Off 1~127	Dwell time = 1~127 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 doesn't get the define tour stop command, it can't be controlled. Use [Off 61], [Off 62], or [Off 63] to resend the define tour stop command to regain control of the dome.