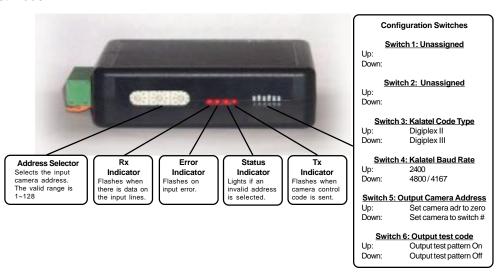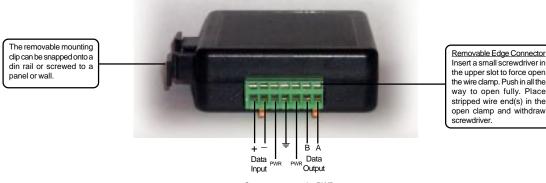# SCT-100-VCL-Kalatel
## VCL RS-485 to Kalatel RS-422 Code Translator

The code translator converts VCL camera control code to Kalatel code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

Input is VCL code @ 9600 baud. The Kalatel output can be Digiplex III @ 2400 or 4800 baud, or Digiplex II @ 2400 or 4167 baud.

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 controller. The input receiver is disabled during test mode.



**Configuration Switches**

**Switch 1: Unassigned**
Up:
Down:

**Switch 2: Unassigned**
Up:
Down:

**Switch 3: Kalatel Code Type**
Up: Digiplex II
Down: Digiplex III

**Switch 4: Kalatel Baud Rate**
Up: 2400
Down: 4800 / 4167

**Switch 5: Output Camera Address**
Up: Set camera adr to zero
Down: Set camera to switch #

**Switch 6: Output test code**
Up: Output test pattern On
Down: Output test pattern Off

**Address Selector**
Selects the input camera address. The valid range is 1~128

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

**Error Indicator**
Flashes on input error.

**Status Indicator**
Lights if an invalid address is selected.

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

+    —
Data Input    PWR    PWR    B   A
Data 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: 9~15Volt AC or DC at 75ma
Environmental: Indoor use only

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**Switch Settings**

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

**Kalatel Code Type and Baud Rate**

The default postion (switches 3 & 4 Off) is Digiplex III @ 4800 baud.

**Addressing**

Only camera control code for the camera number set by the Address Switches is converted.
If switch 5 is Off, the receiver's address should match the code translator address.
If switch 5 is On, set the receiver's address to zero.

**Indicators**

The **Rx** LED will flash when there is data on the input.
If it is on constantly, the input wires may be reversed.

The **Error** LED will flash if the input code is not recognized as valid VCL code.

The **Status** LED will light if the address switches are not set to a valid address (1~128).

The **Tx** LED flashes while Kalatel camera control code is being sent.


## OPERATION

**PTZ**

The code translator converts Vcl pan, tilt, zoom, focus and iris code directly into Kalatel code

Additional commands are converted according to the following table.

| VCL COMMAND | KALATEL COMMAND |
|---|---|
| **Presets** | |
| Define preset 1~64 | Program preset 1~64 |
| Seek preset 1~64 | Go to preset 1~64 |
| | |
| Autopan On | Autopan On |
| Auto Focus | Auto Focus On |