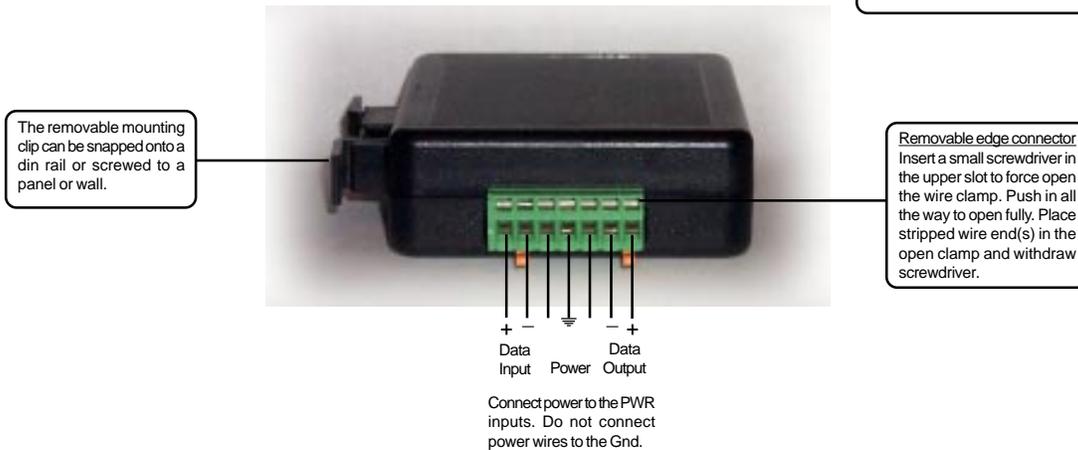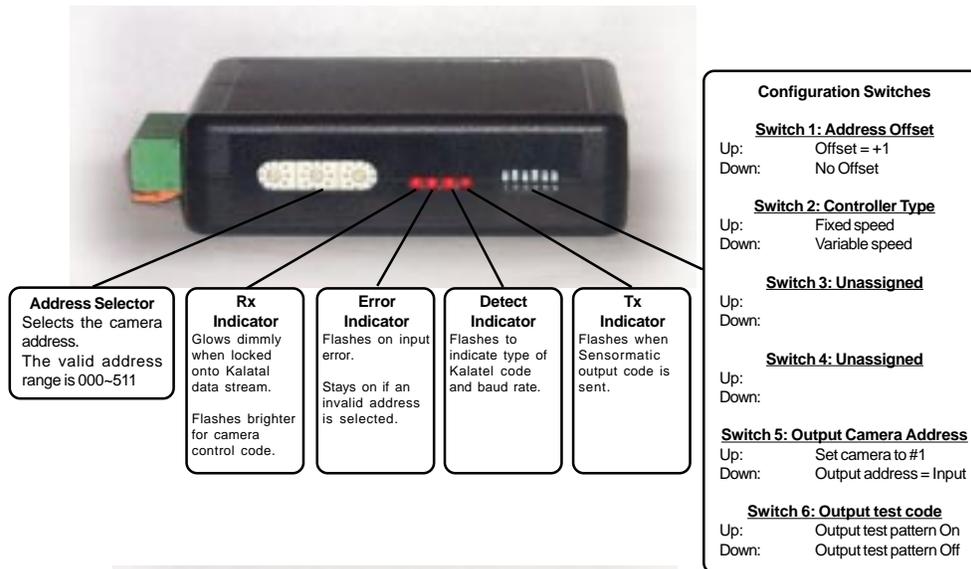# SCT-100-Kalatel-Sensormatic
Kalatel RS-422 to Sensormatic RS-422 Code Translator Ver 1.1

The code translator converts Kalatel control code to Sensormatic RS-422 code for a single P/T/Z.
Only camera commands for the address matching the Address Selector switches will be converted.

Input Kalatel code type & baud rate is detected automatically. Sensormatic output is 4800 buad N81.

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 Kalatel controller.

Configuration Switches

Switch 1: Address Offset
Up: Offset = +1
Down: No Offset

Switch 2: Controller Type
Up: Fixed speed
Down: Variable speed

Switch 3: Unassigned
Up:
Down:

Switch 4: Unassigned
Up:
Down:

Switch 5: Output Camera Address
Up: Set camera to #1
Down: Output address = Input

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

Address Selector
Selects the camera address.
The valid address range is 000~511

Rx Indicator
Glows dimmly when locked onto Kalatal data stream.
Flashes brighter for camera control code.

Error Indicator
Flashes on input error.
Stays on if an invalid address is selected.

Detect Indicator
Flashes to indicate type of Kalatel code and baud rate.

Tx Indicator
Flashes when Sensormatic output 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   Power   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
	24Volt optional
Environmental:	Indoor use only

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Addressing

Only camera control code for the camera number set by the Address Switches is converted.
Set switch 1 On if controller sends data addressed to one number lower than the camera number selected.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 Sensormatic addressess roll over at 256 to Kalatel camera #257 will be sent to Sensormatic camera #001, #258 to #002, etc.

Indicators

Even when not controlling a camera, Kalatel sends a continuous stream of data which the code translator automatically locks onto. Once locked, the **Detect** indicator will flash the type of code found. First, it flashes twice for Digiplex II or three times for Digiplex III. Then it will flash either twice for 2400 baud or four times for 4167 or 4800 baud.

While locked, the **Rx** indicator will glow at a low level. Whenever camera control data appears, it will flash brighter.

Input code errors will cause the **Error** indicator to flash. If the address switches are not set to a valid address (000~511), the **Error** indicator will light continuously.

The **Tx** indicator flashes once for each Sensormatic packet sent.

OPERATION

PTZ

The code translator converts pan, tilt, zoom, focus and iris commands directly. Other commands are converted according to the following table.

KALATEL	SENSORMATIC
Auto pan	Run pattern 1
Auto focus	Set Auto-Iris / Auto-focus

Presets

Pgm Pset 1~7	Store target 1~7
Set 1~7	Go to target 1~7

Patterns

To store a pattern, put the camera in the starting position. Send the Set command to start the recording. Then move the camera through the desired pattern. At the end of the defined pattern send [Set 10].

Set 21	Define start of pattern 1
Set 22	Define start of pattern 2
Set 23	Define start of pattern 3
Set 10	Define end of pattern

Once a pattern is stored, it can be run using the following commands.

Set 11	Run pattern 1
Set 12	Run pattern 2
Set 13	Run pattern 3

Vertical Phase

Set 60	Exit V-phase mode
Set 61	Enter V-phase mode
	(Use iris open/close to adjust phase)

Dome Configuration Menu

Set 62	Start Dome Configuration Menu.

While the menu is displayed, the following control functions are in effect:

Pan & Tilt	Move the highlight bar
Focus Far	Select the highlighted item
Zoom In/Out	Inc/Dec value of selected field, display next item, or move cursor.
Iris Close	Return to previous menu or exit

Reset Dome

Set 63	Reset Dome to factory defaults