

SC-50-Kalatel

Kalatel Digiplex II/III Code Convertor

Converts Kalatel Digiplex II or III camera control code.

Input Kalatel code type and baud rate is detected automatically. Output can be Digiplex II at 2400 or 4167 baud, or Digiplex III at 2400 or 4800 baud.

The output can be continuous or it can be active only when camera commands are present.

The camera addresses can be offset +1 or -1.

A test mode sends a continuous square movement pattern to the P/T/Z so the connections and settings between the translator and the receiver or P/T/Z can be checked without a Kalatel controller. The input receiver is disabled during test mode.

Address Selector Switches
Selects the test mode camera address. The valid Digiplex III range is 0-255. The valid Digiplex II range is 0-95

Rx Indicator
Lights dimly when input code is detected. Flashes for input camera control data.

Error Indicator
Flashes on input error.

Status Indicator
Flashes to indicate type of input code. Lights if an invalid test address is selected.

Tx Indicator
Flashes when camera control code is sent.

Configuration Switches

Switch 1: Output Code Type
Up: Digiplex III
Down: Digiplex II

Switch 2: Output Code Baud
Up: 4167/4800 Baud
Down: 2400 Baud

Switch 3: Output Code
Up: Intermittant
Down: Continuous

Switch 4: Address Offset
Up: Enabled
Down: Disabled

Switch 5: Offset Direction
Up: Output = Input plus 1
Down: Output = Input minus 1

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

The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

A B Data Input Pwr Pwr B A Data Output

Connect power to the Pwr inputs. Do not connect power wires to the Gnd.

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.

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.

Switches 1 & 2 select the output code type and baud rate.

If switch 3 is off, the output is a typical Kalatel continuous stream. If it is on, there will only be output code when camera control data is detected on the input. This mode can be used for wireless systems or networks where it is not desirable to have continuous code.

On some Kalatel systems, the lowest address is 0, on others it is 1.

Switches 4 & 5 can be set to shift the camera address up or down by one as the data is passed through the convertor. Switch 4 activates the offset mode, switch 5 sets offset direction.

Switch 6 activates a test mode that sends a square movement pattern to the camera selected by the test mode address switches. The valid addresses for Digiplex III are 0~255, and for Digiplex II are 0~95. If an invalid address is selected when the test mode is on, the Status indicator will light and no output code will be sent.

Indicators

Rx Indicator: Lights dimly when Kalatel input stream is present. It will flash brighter for camera control data.

Error Indicator: Flashes when input code is not recognized as Kalatel code.

Status Indicator: Flashes to indicate the type and baud rate of input code detected.

First it indicates the type of code (two flashes for Digiplex II, three flashes for Digiplex III). Then it flashes the baud rate (two flashes for 2400 baud, three flashes for 4167/4800 baud).

It also lights when an invalid address is selected in test mode.

Tx Indicator: Flashes when output camera control code is sent.

Notes:

Some older Kalatel receivers will not work with intermittent code. If the code is interrupted or the type or baud rate is changed, they may take many seconds to re-lock onto the data stream.

When converting from Digiplex III to Digiplex II, only commands addressed to cameras 0~95 will be passed.

When converting from Digiplex II with no pan or tilt speed values to variable speed Digiplex III, the convertor will assign a medium-fast speed value.