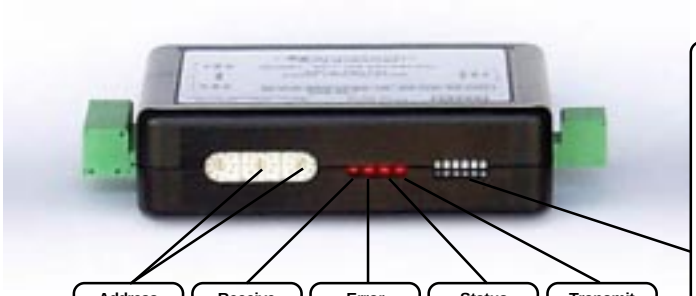
SCT-PANASONIC-8-JAVELIN
Panasonic RS-485 to Javelin RS-232 Code Translator

The code translator converts Panasonic RS-485 camera control code into Javelin RS-232 code for up to eight Javelin JO308 type ACUs. Javelin addresses can be offset from the input addresses in multiples of 8.

Panasonic input baud rates from 2400 to 19200 are detected automatically. The Javelin output is 9600 baud N81.

A test mode sends a continuous square movement pattern to the P/T/Z so communication between the translator and the P/T/Z can be tested without a Panasonic controller.



Address Selector

Sets the output test address and input address range

Valid range is 1~8 or 9~16. (Address offsets are added to it.)

Receive Indicator

Flashes when there is data on the input line.

Error Indicator

Flashes if the input data is invalid.

Status Indicator

Flashes when input camera address is out of range.

Lights solidly for any invalid address switch setting.

Transmit Indicator

Flashes when output Javelin code is sent.

Configuration Switches

Switch1: Address Offset +8
Up: Add 8 to input address
Down: Not enabled

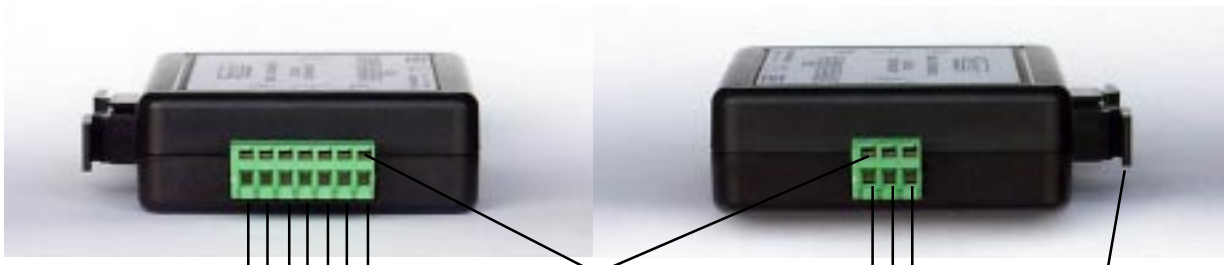
Switch 2: Address Offset +16
Up: Add 16 to input address
Down: Not enabled

Switch 3: Address Offset +32
Up: Add 32 to input address
Down: Not enabled

Switch 4: Address Offset +64
Up: Add 64 to input address
Down: Not enabled

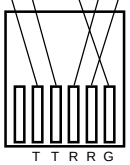
Switch 5: Unassigned
Up:
Down:

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



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

In Out



T T R R G
(A)(B)(A)(B)

Panasonic
Viewed from
contact side

Removable edge connector. Insert a small screwdriver in the upper slot to force open the wire clamp. Push all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

T x C o m

Javelin
RS-232
Output

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

SPECIFICATIONS

Size:	4.5" x 3.5" x 1.25"
Weight:	0.5 lb
Power:	9Volt to 15Volt AC or DC at 75ma
Environmental:	Indoor use only

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NOTES

Panasonic Controller Settings: Panasonic controller should be set for 4 wire communication.

Switch Settings: Any changes in code translator switch settings are effective immediately, they are not read only on power up.

Camera Addressing: Input code for eight cameras (1 ~ 8) or (9 ~ 16) is translated. The range is determined by which group the test address switch is in.

The address offset switches can be used to control Javelin ACUs with addresses above the Panasonic input addresses.Each offset switch adds a number to the input address before it is sent to the ACU.

Example: Switches 1 & 3 On; +8 +32 = +40.
Panasonic commands for camera #1 will be sent to Javelin ACU #41.

Test Mode: When the test switch is on, the translator will send a square motion pattern to the Javelin ACU # determined by the test address switches (1 ~ 8) or (9~16) (+ address offsets).

Indicators
The **Rx** LED will flash when there is data on the input.

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

The **Status** LED will flash if data is received for camera addresses other than in the selected range. It will light continuously if the code translator's address switches are set to other than 1 ~ 16.

The **Tx** LED flashes once for each Javelin packet sent.

OPERATION

PTZ
The code translator converts pan, tilt, zoom, focus and iris code directly into Javelin code

Presets
Javelin preset range is 1~15.

Additional commands are converted according to the following table.

PANASONIC COMMAND	JAVELIN COMMAND
Aux 1 On	Relay 1 On
Aux 2 On	Relay 2 On
Defrost On	Relay 3 On
Wiper On	Relay 4 On
Auto Pan	Relay 5 On (Autopan)
AutoFocus On	Relay 6 On

Any of the above commands sent as an Off will send all Relays Off command

Program Presets 51 ~ 58 are used to set & clear limits

Pgm preset 51	Set Right limit
Pgm preset 52	Clear Right limit
Pgm preset 53	Set Down limit
Pgm preset 54	Clear Down limit
Pgm preset 55	Set Left limit
Pgm preset 56	Clear Left limit
Pgm preset 57	Set Up limit
Pgm preset 58	Clear Up limit