VISTA® H3 Hybrid Series
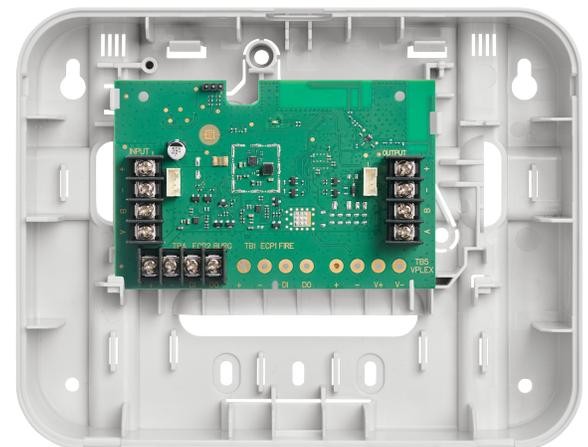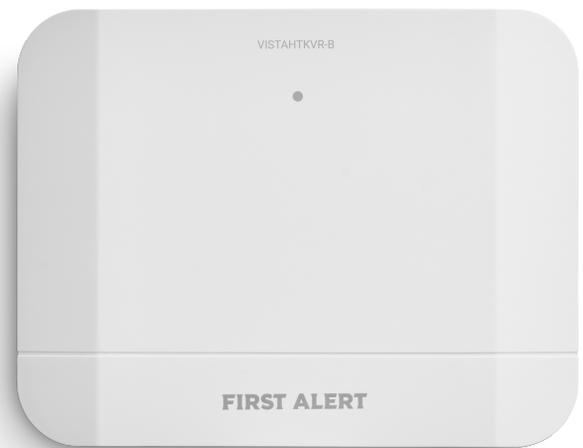# ECP to IB2 Converter Module

VISTAHTKVR-B

The VISTAHKVR-B takeover module allows for certain legacy VISTA (ECP) enhanced control protocol devices to be compatible with the VISTAH3 control panel which saves dealers material and installation costs when taking over an existing VISTA installation. With millions of legacy VISTA installations currently active this is a huge opportunity to take over or increase value to those systems

For 5800 wireless applications the VISTATKVR-B module allows you to use or re-use the existing 5881 line of 5800 RF receivers, for hardwired zone installations you can use or re-use the 4219 hardwired zone expanders and for hardwired relay applications you can use or re-use the 4204 relay module and/or the 4229 combined hardwired zone expander plus relay module. Please reference the chart below for all compatible devices.

The module has a built-in tamper allowing detection and reporting if the front cover is removed and is supervised so if the wiring is cut a supervision alarm will result indicating the module may not be operational. The flexibility to mount the module on a surface wall or to a gang box depending on the installation environment and the terminal strips are removeable to give installers easier access to help making wiring easier.

Specifications

- Supports 17 total ECP devices, 64 zone inputs, 32 relays and (2) 5800 RF Receivers

- Electrical Input Voltage: 12VDC nominal (10-14VDC)

- Electric Input Current: 45mA (This does not include powered devices using AUX terminals)

- Operating Temperature: 32 to 122 F (0 to 50 C)

- Operating Humidity: 0 – 95% Relative Humidiy

- Dimensions: 6.93" W (176mm) X 5.43"H (138mm) X 1,99"D (50.5mm)

- ECP addressing is set to 00-31.

- Two built-in tampers (front and rear) for removal of cover or from the wall

- Module is supervised for wires being cut and alarm signal will result

- Can only be mounted remotely in the included plastic on a wall or gang box

ECP Table of Compatible Devices

Device	Device Type
4219, 4229, 4229EX	Zone Expanders
4204, 4204CF	Relay Modules
RF Receiver *	5800 Wireless Receivers
ECP-ISO / ECP-ISOR	N/A - ECP Short Isolator

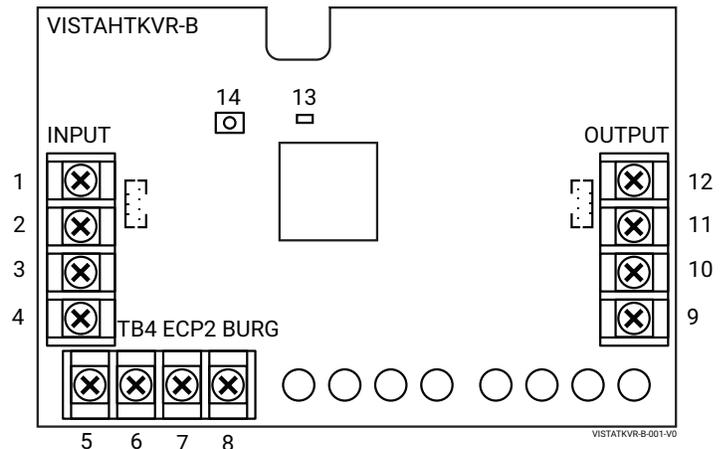** Consists of the 5881ENH, 5881ENHC, 5881ENL, 5881ENM, 5881ENMLA, and 5883H.*

Note: ECP addressing is set from 00-31 and the address is not specific as long as no two modules may contain the same ECP address.

5800 Sensor Compatibility

Sensor	Description
5800PIR-COM	Commercial PIR Sensor
5-800PIR-OD	Outdoor PIR Sensor
5800PIR-RES	Residential PIR Sensor
5814	Miniature Door Sensor
5815	Door/Window Transmitter
5816	Door/Window Transmitter
5816OD	Outdoor Door Contact
5817CBXT	Three Zone Commercial Fire
5817XT	Three Point Wireless Transmitter
5818MNL	Recessed Door Transmitter
5820L	Slim Line Door/Window Transmitter
5822T	Tilt Sensor
5853	Dual Tec Glass Break Detector
5898	Wireless Motion Sensor

SUMMARY OF CONNECTIONS

iBus Input		iBus Output	
1	Red: Positive (.)	9	Green: iBus A
2	Black Negative (-)	10	Yellow: iBus B
3	Yellow: iBus B	11	Black Negative (-)
4	Green: iBus A	12	Red: Positive (*)
TB4 ECP 2 Burg		13	LED
5	Red: Positive (+)	14	Tamper
6	Black Negative (-)		
7	Green: Data In		
8	Yellow: Data Out		

VISTAHTKVR-B

INPUT   14   13   OUTPUT

1 ... 12
2 ... 11
3 ... 10
4 ... 9

TB4 ECP2 BURG

5 6 7 8

VISTATKVR-B-001-V0

SUMMARY OF CONNECTIONS

iBus Wiring Limitations					
Wire Gauge (AWG)	Total Current of All Devices Connected to a Single Wire Run				
	50mA or less	100mA	300mA	500mA	600mA
#22	700ft (213m)	350ft (107m)	120ft (37m)	70ft (21m)	60ft (19m)
#20	1200ft (366m)	600ft (183m)	200ft (61m)	120ft (37m)	100ft (30m)
#18	1900ft (579m)	950ft (290m)	320ft (98m)	190ft (58m)	160ft (49m)
#16	3000ft (914m)	1500ft (457m)	500ft (152m)	300ft (91m)	260ft (76m)

Note: The length of all wire runs for all partitions combined must not exceed 3000 feet (914m) when unshielded quad conductor cable is used or 1500 feet (457m) if shielded cable is used.

Ordering Information

Part #
VISTAHTKVR-B

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Melville, NY 11747
1-800-645-7492

For more information
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