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Convert Contact Closures to PS/2 or USB PC Keyboard Scan Codes



VIP-313



VIP-312

The VIP-312, VIP-313, & USB-312 "SmartWye"™ PC Keyboard Encoder

Description:

The “SmartWye”™ family of PS/2 and USB Keyboard Encoders / Emulators make it easy to connect custom control panels, switches, and keypads to the PS/2 or USB keyboard port of a PC, by converting contact closures to standard PC keyboard codes. In addition to the switches, a standard PC keyboard may also be connected, and can be plugged in or out at anytime.

All "SmartWye" PS/2 and USB Keyboard Encoders / Emulators fully debounce switch closures and openings, generate the appropriate key “make” and “break” scan codes, and then send them to the PC. On standard models, only one “make” code is sent for each switch closure, regardless of the time the switch is held closed. Type-O-Matic models (model number ends with -T) provide the key hold and repeat function common on standard PC PS/2 keyboards, and respond to the OS settings for Type-O-Matic. Key presses from an optionally connected keyboard, are cleanly multiplexed with any switch generated keyboard data. All models utilize Vetra's advanced keyboard emulation technology which provides error free boot up to the connected PC and operates transparently with **all** PC's, PC operating systems, and applications. For a complete listing of PS/2 keyboard scan set codes click here.

We can also customize our standard PS/2 and USB Keyboard Encoders / Emulators (key mapping or board layout) to your needs or specifications. For more information contact us with your specifications.

For information on USB keyboard encoders, click here.

Features:

- Designed and manufactured in the **USA** for use around the world
- Backed by a **Limited 1 Year Warranty**
- **Hot Plug** feature allows keyboard to be swapped at any time
- Compatible with **all** operating systems, USB 2.0
- Error free boot ups
- Keyboard LED's and parameters are correctly set from the PC
- All SmartWye models are powered from the connected PC, no external power is required
- Models available for discrete or matrix switch closure configurations
- Fully debounces switch inputs
- Type-O-Matic models available which support OS Type-O-Matic parameters
- Supports selected standard Grayhill and C&K keypads
- Custom key mapping and board design available

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