

Industrial and Medical Sealed Keyboard Features

Applications Note 811658

CTI Electronics Industrial and Medical Keyboards

Not all Sealed Keyboards are designed and manufactured with high performance, long term reliability, and ease of use like CTI Electronics Industrial and Medical Keyboards.

If your application is critical, and your computer or process must operate, you cannot afford to take a chance on a below standard computer input device.

CTI Electronics takes great prides in designing and manufacturing the best quality Industrial Keyboards for all applications.

Read about all of the standard CTI Electronics features listed below. We are sure that the right choice for your application will be CTI Electronics.



KI9000 Series (NEMA 4X) Sealed Keyboard shown
-with integral Industrial Mouse® (top)
-Keyboard only (bottom)

Features of all CTI Electronics NEMA 4 rated Industrial Keyboards:

Keyboard element is molded silicon with full 2mm travel keys with tactile feel

The 2mm (.080") travel molded silicon keyboard provides NEMA 4 rated sealing, and excellent tactile feedback for your operators. CTI's unique design prevents key binding, and all CTI Electronics keyboard elements are replaceable.

Unlike membrane keyboards, which have essentially no tactile feedback, and a short life, CTI Industrial Keyboards are rated at 10 million operations.

Key Legends are Permanently Fused to each Key

Instead of printing or silkscreening key legends on the keys, CTI Electronics fuses key legends into each key using a silicon based epoxy ink. Even if your operators' repeated depression of the key is abrasive, the key legends will not come off.

Hard Gold Plating of Key Contacts

CTI Electronics plates each switch matrix first with a nickel plating, and then with gold plating, for a "Hard Gold" plating, which prevents the migration of the gold plating into the copper clad. This extra step improves reliability and keyboard life over other keyboards that simply use conductive paint alone on the switch matrix.

CTI Electronics goes one step further, and uses only gold plated connectors for all of our circuit board interconnects and output header.

Port Compatibility

All CTI Electronics Industrial keyboards are port compatible. This means that the no additional software drivers or layers are required on your host machine to allow a CTI Electronics Industrial keyboard to operate. Simply plug the CTI Electronics Industrial Keyboard into the keyboard port, and it will operate.

Manufactured in the USA

Each CTI Electronics Industrial Keyboard is designed and manufactured in our Stratford, CT facility. This means that all Technical and warranty issues can be addressed and resolved directly with the manufacturer. Special Function keys can be programmed to meet customers' requirements, and custom key legends can be incorporated into our standard designs.

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