



when reliability is critical™

Industrial Mouse™ Features

CTI Electronics Industrial Mouse™

The CTI Electronics Industrial Mouse™ is the easiest to use and most reliable sealed pointing device available for use in Industrial, Medical and Food Preparation applications.

Replacing the commercial pointing device without the need for additional software drivers, the CTI Electronics Industrial Mouse™ is constructed of the highest quality materials to provide years of service.

Each Industrial Mouse™ is made in the USA, is covered by the CTI Electronics 1 Year Limited Warranty, and features:

- CTI Electronics' patented and proven inductive joystick
- Direct Connection to PS/2 mouse port; software drivers not required
- Over 20 degrees of joystick travel from center position
- Over 20 years proven track record
- 8 field-selectable response curves
- No moving electronic parts or magnets
- Sealed pushbutton on joystick knob for one-handed point and click operation



Shown: M9 Series Industrial Mouse™

Features of all CTI Electronics Industrial Mouse™

Stainless Steel NEMA 4X Enclosure

Only CTI Electronics offers the Original CTI Electronics Industrial Mouse™. We invented it! The Original Industrial Mouse™ is housed in a rugged NEMA 4X stainless steel enclosure that is welded and ground smooth to provide years of reliable service in the most rugged and difficult environments.

The M9 Series Industrial Mouse™ (shown above) has a designed-in ergonomic hand rest, and is securable to the workstation with a sealed threaded mounting boss.

Port Compatibility

The CTI Electronics Industrial Mouse™ is port compatible with all computers and workstations, and does not need additional software drivers or cable adaptors to operate with your system.

Point and Click Operation

The industry exclusive sealed pushbutton ("N3") variety is one of the most popular and usable operator interfaces available to industrial and medical users. This sealed pushbutton at the top of the handle allows one handed "point and click" operation with positive tactile feedback.

Four other handle options are available to allow the operator simple control of the cursor, with fingertip or hand control. CTI Electronics provides the control you need for your application without engineering costs or long lead times.

Drift Free and Repeatable Operation

The patented design of the CTI Electronics inductive joystick is the basis of the Industrial Mouse™. This inductive joystick design provides absolute control and pointer stability without cursor drift. When the joystick is at center, the cursor will not move.

Because the inductive joystick has no moving electrical parts (like potentiometric controls), there is no mechanical wear over time, resulting in reliable and repeatable process control without cursor drift. The result is an MTBF of over 100,000 hours and years of trouble free service from the CTI Industrial Mouse™.

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Solid Stainless Steel Joystick

Each Industrial Mouse™ handle is made from a 3/8" solid stainless steel shaft. This shaft is embedded into a precision machined nylon ball that articulates within an injection molded delrin housing. This stainless steel shaft and the nylon ball are the only moving parts in the Industrial Mouse™, and this rugged assembly is rated for 10MM random operations.

This design provides reliability of operation and product durability that is superior to other "sealed" controllers that are simply consumer quality products repackaged for industry.

Fine Cursor Control

Compared to "rocker" type pointing devices, which have 1/8" of moment travel and under 10 degrees of angular motion, the CTI Industrial Mouse™ has a full 20° of angular motion (from center) and up to 2 " of moment travel. Pixel by pixel control is easy to do, even with a gloved hand.

8 Speed Curves

Each Industrial Mouse™ is shipped with 8 different speed curves. Once installed, any one of these speed curves may be selected by the user, optimizing the pointer interface. The speed curves are not simple multipliers, but are complex algorithms which simplify the operator interface and control with your machine.

On our OEM versions, the OEM design engineer can select one or more of the available speed curves for inclusion into the Industrial Mouse for the particular application.

Latching Feature

For ease of use, the left button on the CTI Industrial Mouse™ can be latched electronically.

2mm Travel Sealed Switches with Tactile Feedback

The Left, middle and right mouse buttons are available in molded silicone, and feature 2mm travel switches with excellent tactile feedback.

Serial Units have true RS232 for noise immunity and long distance communications

The CTI Electronics Industrial Mouse™ (with RS-232 communications) can be located up to 100 feet from the host computer.

Repairable Design

The CTI Industrial Mouse™ has been designed to allow the replacement of all boots, seals and gaskets. And since CTI Electronics designs and manufactures the Industrial Mouse™, all other components (including the joystick itself) are repairable.

And with the addition of the security of a 1 Year warranty, the CTI Industrial Mouse™ provides a product that will serve your application for years and years.

Options

The CTI Industrial Mouse™ is available with a number of options to allow it to be applied to the most demanding environments. Some of the most popular options are listed below. Please consult the factory with your special requirements.

- A waterproof through panel connector (optional) is available with all Workstation (M9 Series) and Hand Held (M2 Series) Industrial Mouse™ products.
- Higher operating temperature range (-40 C to 80 C).
- Maintenance Kits for all Industrial Mouse™ products
- Special Coating on the elastomer mouse button keypad that resists synthetic fluids
- Silicon Free Designs
- Aluminum Mouse holder for the Handheld (M2 Series) Industrial Mouse™
- OEM Varieties



The CTI Electronics Industrial Mouse™
Panel Mount (H2 Series) on left
Hand Held (M2 Series) on right

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