

THE MULTI-TOUCH RING ENCODER WITH GRAYHILL INSTINCT TECHNOLOGY



A naturally human evolution  
of the interface.

*Grayhill*



## Instinct™ technology. Intuitively functional.

Grayhill Instinct is a set of multi-touch gesture recognition software tools that, when integrated with Grayhill physical components, creates more intuitive human interface solutions.



The Multi-Touch Ring Encoder combines a touchpad with multi-touch tracking, an optical encoder and pushbutton into one easy-to-use device. By combining gesture recognition technology with a ring encoder, we provide the ultimate in input flexibility. Menu search, selection, navigation and much more are all in one user interface that can be easily integrated into future devices.

## A shorter distance from mind to machine.

An intuitive, easy to use interface improves operator productivity. Our Instinct technology enables an operator's thoughts to be seamlessly communicated to the device. This allows faster interaction without needing to take eyes off of the screen. For the operator it makes controlling a machine easier to manage. And unlike touch screens, the display is left clean and unblocked. Plus, ergonomics are improved by consolidating all controls within easy reach.

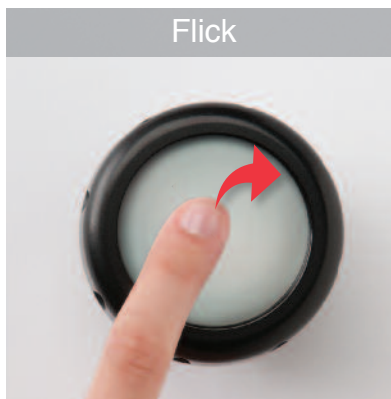
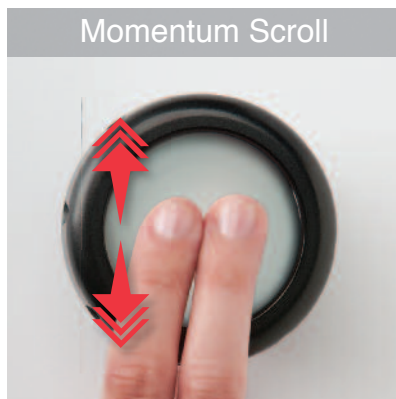
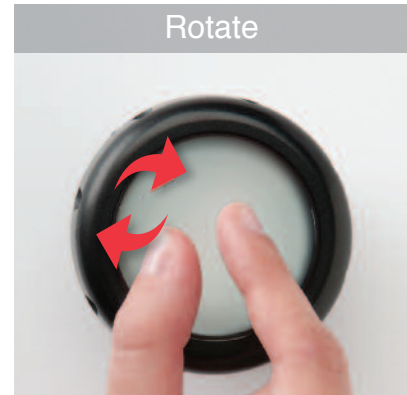


Design uncluttered, easy-to-clean instruments using Grayhill's Multi-Touch Ring Encoder.



## Let your fingers do the directing.

Finger gestures are a popular means of controlling contemporary electronic devices. Instinctive, memorable movements provide a variety of commands...all without the fingers leaving the touchpad. Grayhill's Instinct technology tracks up to five finger touches at a time. The Multi-Touch Ring Encoder combines the multi-touch touchpad with an optical encoder and a push button to offer even more functionality. Several gestures are shown below.



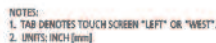
## An elegant engineering solution for controlling electronic equipment.

Simplicity in use and device design. The Multi-Touch Encoder can replace keypads, knobs, trackballs and switches. This makes for clean design and cuts costs of manufacturing. Combined with the Instinct gesture recognition library, the multi-touch encoder increases the engineer's flexibility in building functionality into any product.

Possible applications include:

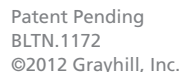
- Medical devices
- Off-highway vehicles
- Commercial aviation
- Gaming





- SOFTWARE DEVELOPMENT KIT Part Number T101-DEV1

## ELECTRICAL PERFORMANCE SPECIFICATIONS



## MATING CONNECTOR

### Molex 501939-0400 and 501939-0300

## Intuitive Human Interface Solutions

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