iButtonKeyboard™
&
iButtonKeyboard-M™
USER MANUAL

iButtonKeyboard

iButtonKeyboard -M

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Introduction:
Either version of iButtonKeyboard will provide a fast, easy to use, low cost means of reading and recording the address code of any iButton. The iButtonKeyboard is available in two models: iButtonKeyboard – M (the original variant) and iButtonKeyboard. Both models operate the same and differ only in their physical structure.

iButtonKeyboard
This model incorporates all components required to read the unique 16 digit address of any iButton, including the reader and an 18 inch USB cable. An optional 6 foot extension cable is available. The reading device used is a "touch" reader and will not retain the iButton being read. iButtonKeyboard is physically a second keyboard on the host computer, and as such it will print to the display screen in the same manner as hand typed data.

iButtonKeyboard is molded in our low pressure molding system. This process adds physical durability and a water proof enclosure. While the device will not function under water, it is highly resistant to the accidental spills of most liquids.

To use the iButtonKeyboard, simply connect the captive USB cable to a USB port on the host computer, open the application to be used, (MS WORD, EXCEL, etc.) and present an iButton to the reader on the iButtonKeyboard. The 16 digit address of the iButton will be displayed at the point of the courser setting. The numbers will print in the same font and format as employed in the open application.

There is a window on the front panel of the iButtonKeyboard to accommodate 3 LEDs; Red, Yellow and Green. When the USB cable is connected to the host computer, the Red light will illuminate, indicating that the iButtonKeyboard is powered. A short time latter (typically 2 or 3 seconds), the Yellow light will come on, indicating the computer has recognized a new keyboard. When an iButton is presented to the iButtonKeyboard, the green light will illuminate, indicating the iButtonKeyboard has recognized the iButton. If the read is successful, the information containing the 16 digit serial number of the iButton is sent to the host computer and displayed on the monitor. If the read is unsuccessful, the iButton must be removed for a brief moment (about 100 mSec. or 10 "Presence Pulses") and presented to the iButtonKeyboard again. When the host computer is shutdown, the red light will remain illuminated as long as it is connected to the USB port. USB ports do power down with the computer.

When the iButtonKeyboard is presented with an iButton, there is a delay time equal to 10 "Presence Pulses", and another delay of 10 "Presence Pulses" when the iButton is removed. These delays minimize the possibility of "bounce" readings. The delay time is in the order of 200 mSec. and may, or may not, be noticeable to the operator.

Applications
The iButtonKeyboard is ideal for registration desks that are using iButtons for identification, such as schools, medical institutions. Also of high value to the person who needs to sort a large number of iButtons for product type.

iButtonKeyboard-M
This model is electronically and functionally the same as above, with the following physical exceptions:
> The USB cable is not supplied.
> The reader device is not supplied
> It is not submersible and is somewhat susceptible to liquid spills.

The iButtonKeyboard-M allows the user to select the style/type of reader that best suits the needs at hand. It also allows the user to select a cable length that is custom to the system setup. The electronics and firmware are identical to the iButtonKeyboard.