****** USING THE MEDIGENIC KEYBOARD CONFIGURATION UTILITY ******
(Admin Version)

1. Start the program Admin_Utility.exe

2. Connect the keyboard.

3. The status box should indicate that the keyboard is connected.

4. The sensor inputs can be viewed with the Right and Left Sliders as well as any
   enabled sensors – up to four

5. The Config button will enable user input. If this
   is enabled, the caption is changed to Lock Config.
   All of the user adjustable parameters can be set in this mode..

6. The keyboard can be connected and disconnected while the program
   is running.

********** SLIDER INPUTS ************

Sensor Threshold low/high – Sets the high and low threshold values for the global sensor cleaning valid
window (when the readings are within this window the bar graph turns from green to blue). These threshold
values are global and apply to all active sensors.

Interval Timer - Sets the maximum number of seconds between conductivity
detection on the two sensors to qualify for a valid clean cycle.

Key Limit – Sets the keystroke threshold for triggering an alarm when the keystroke enable box is checked.
This function can be logically ORed, to trigger an Alarm, with the Alarm Timer if the alarm timer enable
box is also checked.

Clean Timer – Sets the automatic time-out for the keyboard on/off button so that if it is pressed (keyboard
off) it will automatically come turn back on after this set interval. The keyboard can always be turned back
on (or off) by a manual key press of the on/off button at any time.

Alarm Timer - Sets the number of hours before the alarm triggers for
another clean cycle.

********** ALARM ENABLES ************

The beeper and LED alarms can be enabled by the check boxes.

The keyboard can be enabled to require wiping on power up by
setting the PowerOnEnable check-box.

******* STORING PERMANENT SETTINGS TO THE KEYBOARD *******

Store - Pressing this button will permanently store the current settings
displayed in the GUI to the keyboard as its new operating parameters.

********** SAVING AND RESTORING CONFIGURATIONS **********

Save - Pressing this button will save the configuration data for
the keyboard to the file config.txt.

Restore - Pressing this button will transfer the data from the file config.txt to the display and keyboard.

********** ENABLING SPECIAL FUNCTIONS ******************

If the program is run with a command line argument of "TEST" as shown below:

"C:\Program Files\Medigenic\Admin_Utility.exe" TEST

(without the quotes) then the 'TEST' mode is enabled which allows the special test functions of the software utility to become active. If an argument is present, but it is not "TEST", then a message box will appear which will ask if the special functions mode is desired.

In the 'TEST' mode a new tab labeled 'Manufacturing' will appear as well as the following addition commands:

'Simulate' – A checkbox to do factory simulation of a connected keyboard
'Num Sens' – A series of radial buttons to display more sensor readings
'1 min' – An additional Alarm Timer pre-set to enable 1 minute Alarm times.

Under the 'Manufacturing' tab the following functions are possible:

- Set ID number (0 – 65535): type the number and press 'Set ID Number'
- Host Mode: manual control of the LED and beeper
- Disable Sensors: disable any of the fours sensor inputs
- Global Keyboard function:
  o Disable Backlight – permanently inhibit the backlight (always off)
  o Disable Config. – inhibits the enumeration of the configuration interface and thus any operation under the software utility – this action must be 'stored' permanently and will take effect on the next keyboard power-up or plug-in – until then the interface is active. Once the interface is disabled it can be re-enabled by the following keys being held down on power-up or on plug-in of the keyboard:
    § 101/102 Keyboard - <on/off> + <F1>
    § 104/105 Keyboard - <on/off> + <F12>
  o Disable Autosense – permanently sets the keyboard to USB only operation.
    § USB keyboard – selects the keyboard interface to USB only
    § PS2 keyboard – selects the keyboard interface to PS2 only
  o Enable Message Logging – allows the logging of all messages sent-to or from the keyboard to a set of files in the Medigenic default directory. The utility will log all of the keyboard data reports to a log file named "debug.txt" and the keyboard event reports will be time and date stamped and logged to a file "eventlog.txt". The data log file "debug.txt"is deleted each time the check box is enabled and the event log file "eventlog.txt" is appended.

Shortcut properties for Test mode:

Admin Utility TEST Properties

General | Shortcut | Compatibility | Security

Admin Utility TEST

Target type: Application

Target location: Medigenic

Target: rogram Files\Medigenic\Admin_Utility.exe" TEST

Start in: "C:\Program Files\Medigenic"

Shortcut key: None

Run: Normal window

Comment:

Find Target...   Change Icon...   Advanced...

OK   Cancel   Apply