



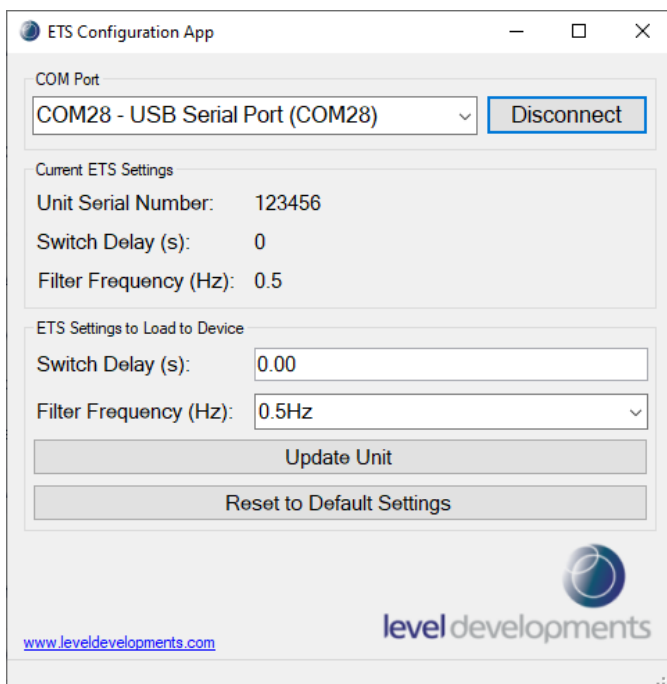
Features

- Free Windows software application.
- Compatible with ETS series tilt switches (serial numbers 14800 or greater).
- Facilitates the adjustment of the user selectable delay period (which postpones activation of the relay after the tilt threshold is exceeded).
- Facilitates the adjustment of the frequency response setting, selectable from 0.125Hz to 8Hz.
- Simple operation, includes "factory reset" feature.
- Requires a UART type programming cable to operate: "EL-CAB-FTDI-UART" enquire for details.



Description

This application allows user customisation of the delay and frequency response settings in ETS series tilt switches. It requires Windows 10 and works with 32 and 64 bit systems. It also requires .NET framework V4.7.2 or higher and will prompt you to download and install this from Microsoft if this isn't already installed. The delay setting adjusts the period that the relay activation is postponed after the tilt threshold has been reached. The filter frequency setting controls a 2nd order Besel low pass filter which is selectable between 0.125Hz, 0.25Hz, 0.5Hz, 1Hz, 2Hz, 4Hz, 8Hz and 16Hz. Slower filter settings (e.g. 0.125Hz) will take the longest to respond to movement but will also have the most stability (and vice versa). Slow filter settings are commonly used to reduce the effects of vibration. The settings can only be transferred using the "EL-CAB-FTDI-UART" cable from Level Developments, the ETS tilt switch does not feature a USB interface.



Using the Software:

- 1) Download and install the software from:
https://www.leveldevelopments.com/wp/wp-content/uploads/software/ETS_Configuration_App.zip
- 2) Remove the Lid from the tilt switch by releasing the 4 top screws. Connect one end of the EL-CAB-FTDI-UART cable to the ETS's circuit board (see image above) and the other end to the PC/Laptop. Note: the tilt switch is now powered with 5V, don't touch the circuit board while the cable is installed.
- 3) Open the ETS configuration App, choose the correct COM port & click "connect". The serial no. (& existing settings) will display to indicate a successful connection.
- 4) Adjust the "Switch Delay" & "Filter Frequency" settings as required, then click on "Update Unit". You can also "Restore to factory defaults" if needed.

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.