SW5484E SWITCH CONFIGURATION SOFTWARE

I. SOFTWARE DOWNLOAD:

1. To download the software, click here or go to the Metrix website.
2. On the homepage, click on the link for SW5484E Software Download.

The following page will open:

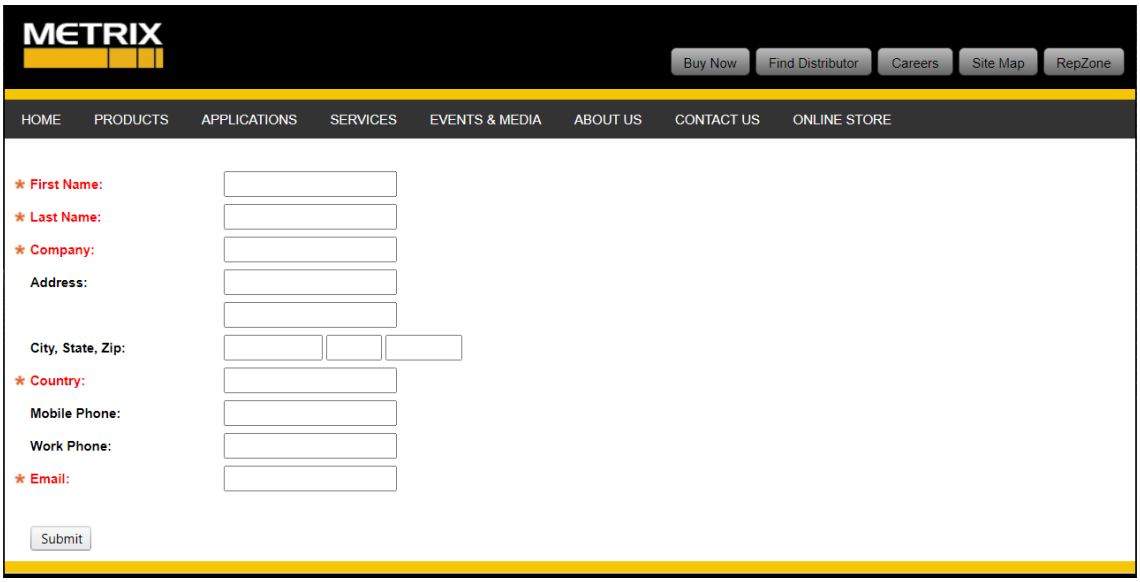

Figure 1: Required information for software download.

3. Enter all required information and click “Submit”
4. Double-click the file SW5484E_setup.exe and follow installation instructions.

II. OPEN APPLICATION:

1. Double click on the application icon. 

2. Application will be displayed as seen in Figure 1.

Note: Communication Dongle will be detected if already connected. Otherwise, connect Communication Dongle to enable the “Connect” button.

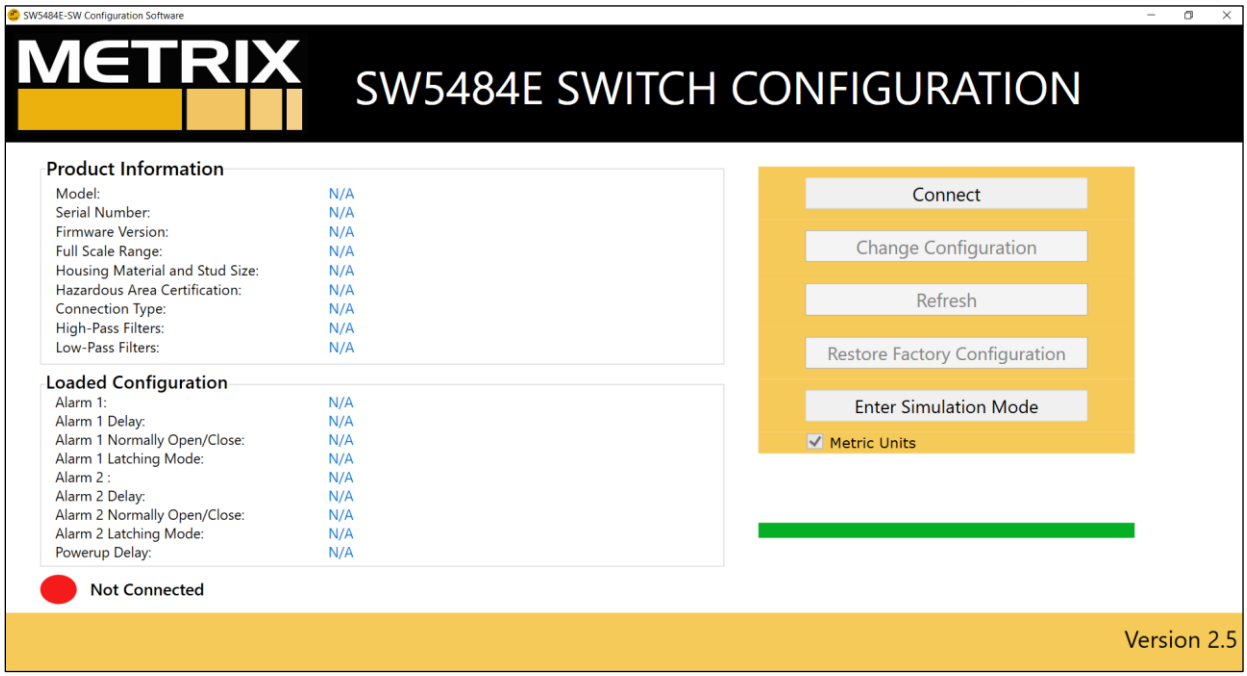

Figure 2: Communication Dongle is connected, "Connect" button is enabled.

III. Connect:

After selecting "Connect" button to connect device, the screen will be populated with the configuration stored in the unit and all buttons will be enabled. See figure below:

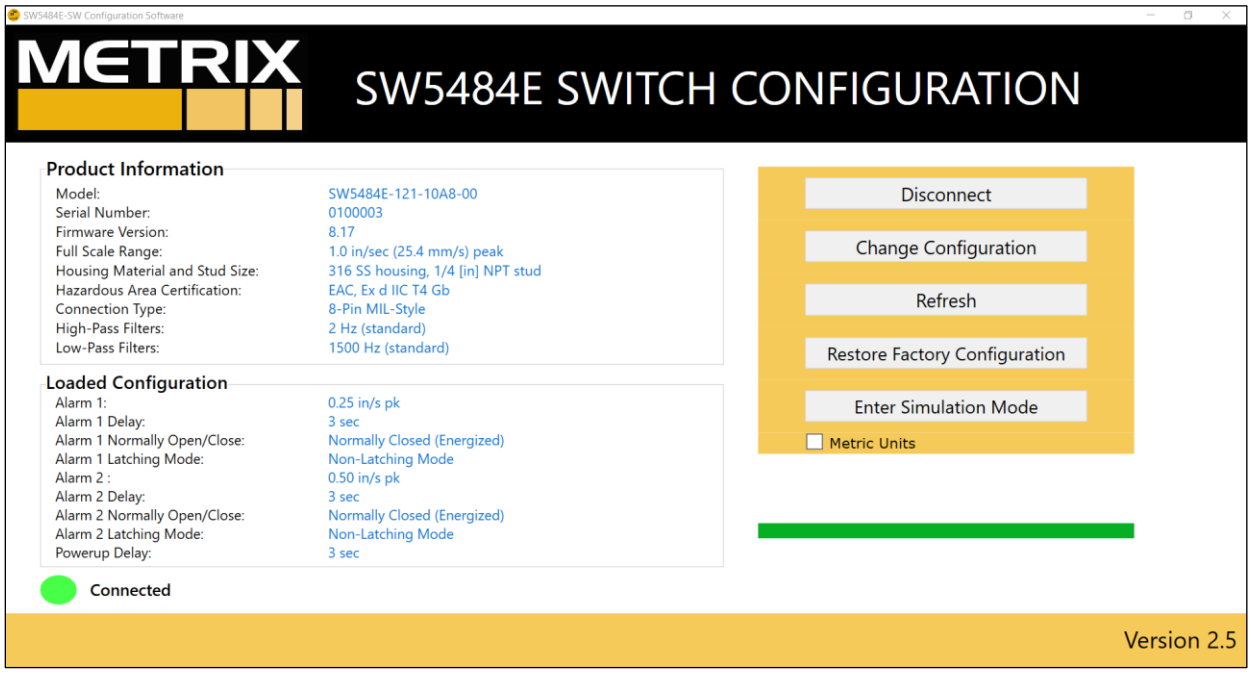

Figure 3: Screen displayed after connecting an SW5484E.

IV. Change Configuration:

Clicking the “Change Configuration” button will display the following screen:

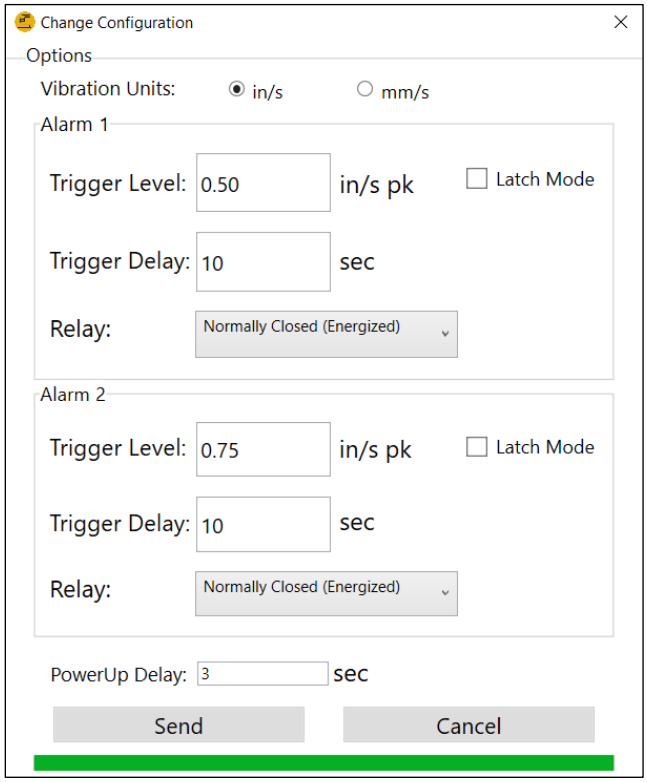

Figure 4: Change Configuration Screen

Changes can be made to:

1. **Vibration Units:** in/s or mm/s
2. **Trigger Level:** Input value must be within full scale range, in X.XX format.
3. **Trigger Delay:** Delay value must be between 0 to 300 seconds.
4. **Latching Mode:** Latching or Non-Latching
5. **Relay:** Normally Closed or Normally Open

Note: Selecting the Normally Open setting de-energizes the relay and will no longer operate in “FailSafe” mode. This feature operates outside of the SIL certification requirement. The following pop-up window will appear when selecting Normally Open.

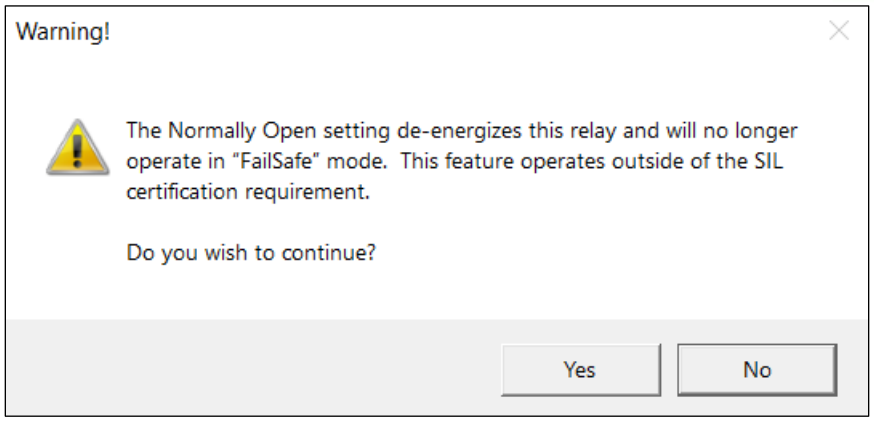

Figure 5: Normally Open warning message.

Note: The Non-Latching setting will allow the relay to automatically reset after the alarm clears, whereas, with the Latching setting the user must cycle power to the unit to get the relay to change state, or in other words, to clear the alarm. The Latching setting is required for SIL.

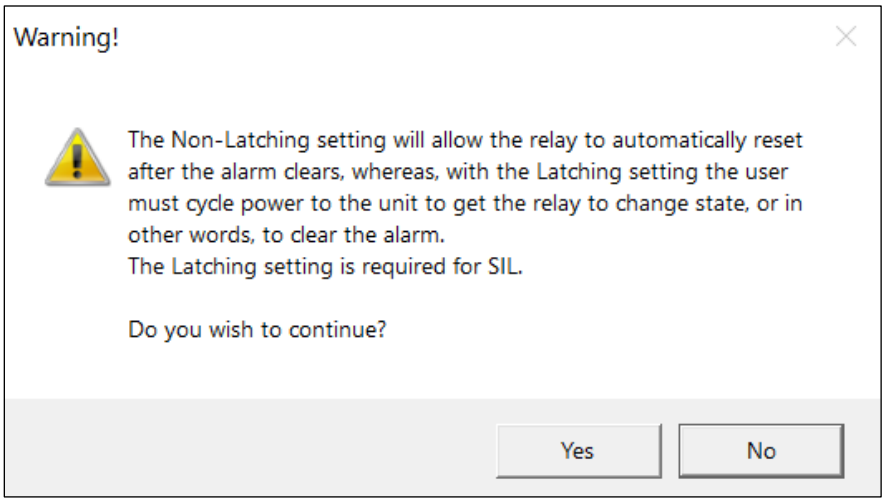

Figure 6: Warning message when Latching option is deselected.

After configuring the switch trigger setpoints, time delays, and separate shelf states for the two alarm setpoints, click "Send."

Note:

- Password is required to change the configuration of the unit.
- Default password: Metrix123!

Before the configuration is set in the unit, Password window appears.

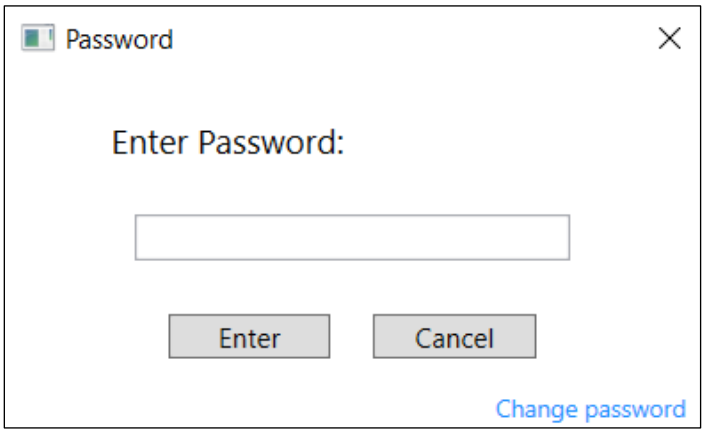

Figure 7: Password Window

Entering the correct password and clicking “Enter” will send the chosen configuration to the unit. The following screen will be displayed after values have been stored in the unit.

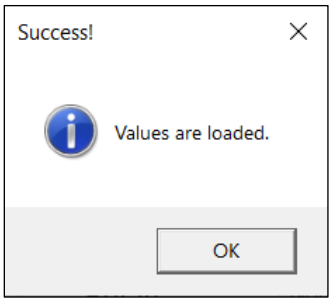

Figure 8: Success screen will appear after configuration is stored in the unit.

Clicking “OK” will return to the main screen. Main Screen will display the configuration stored in the unit.

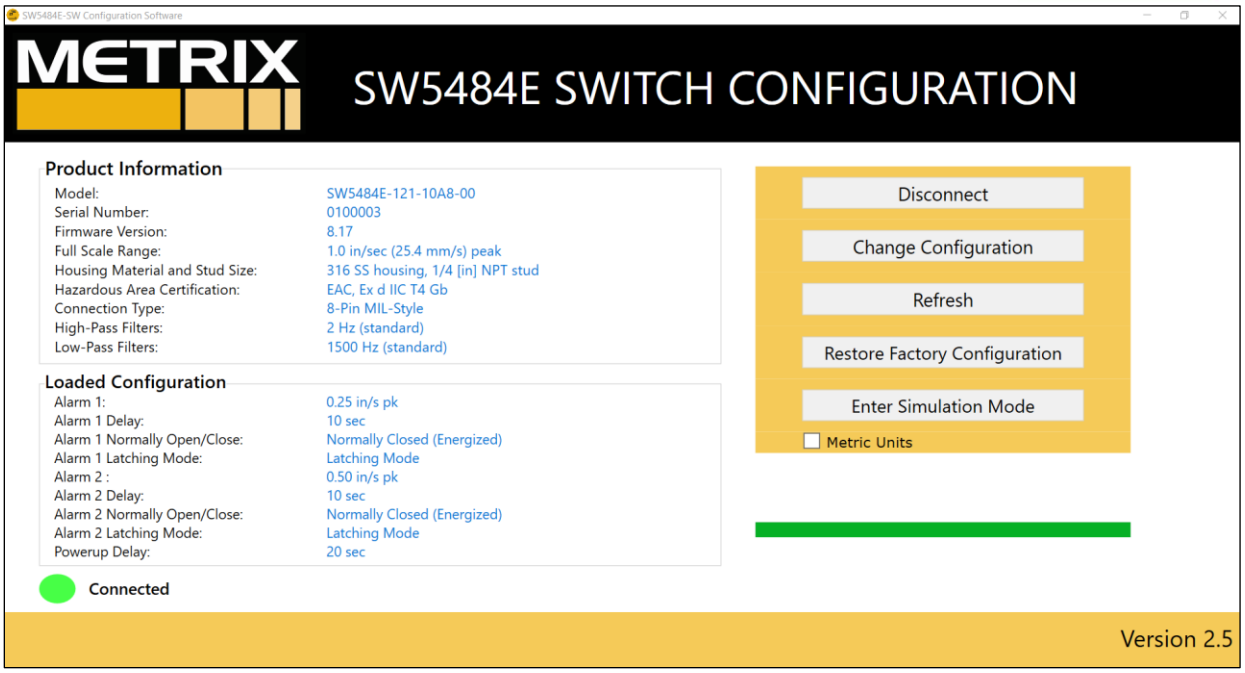

Figure 9: Main Screen after changing non-latching to latching configuration.

V. Disconnect:

Click “Disconnect” to close communication with Communication Dongle.

Note:

- “Connect” button will remain enabled when Communication Dongle is connected.
- After clicking “Disconnect,” Communication Dongle can remain plugged in while connecting a different unit. However, if “Connect” is clicked with no unit connected, the app will need to be restarted.

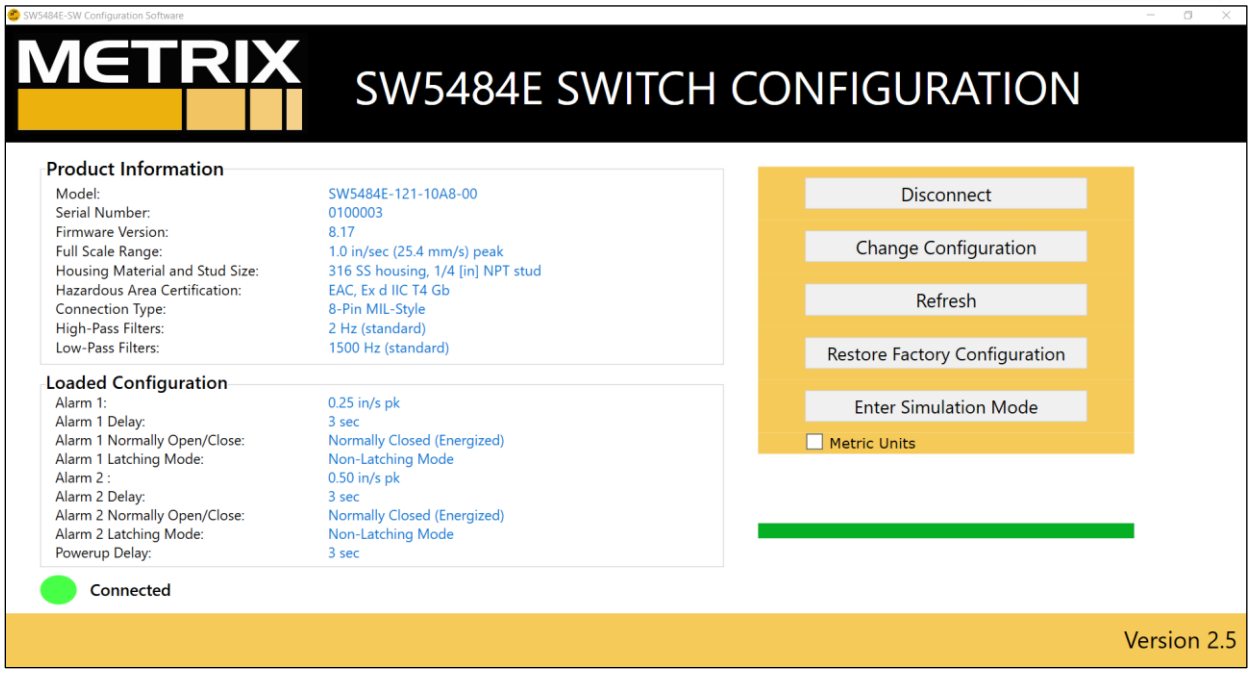

Figure 10: "Disconnect" is enabled after connecting with unit.

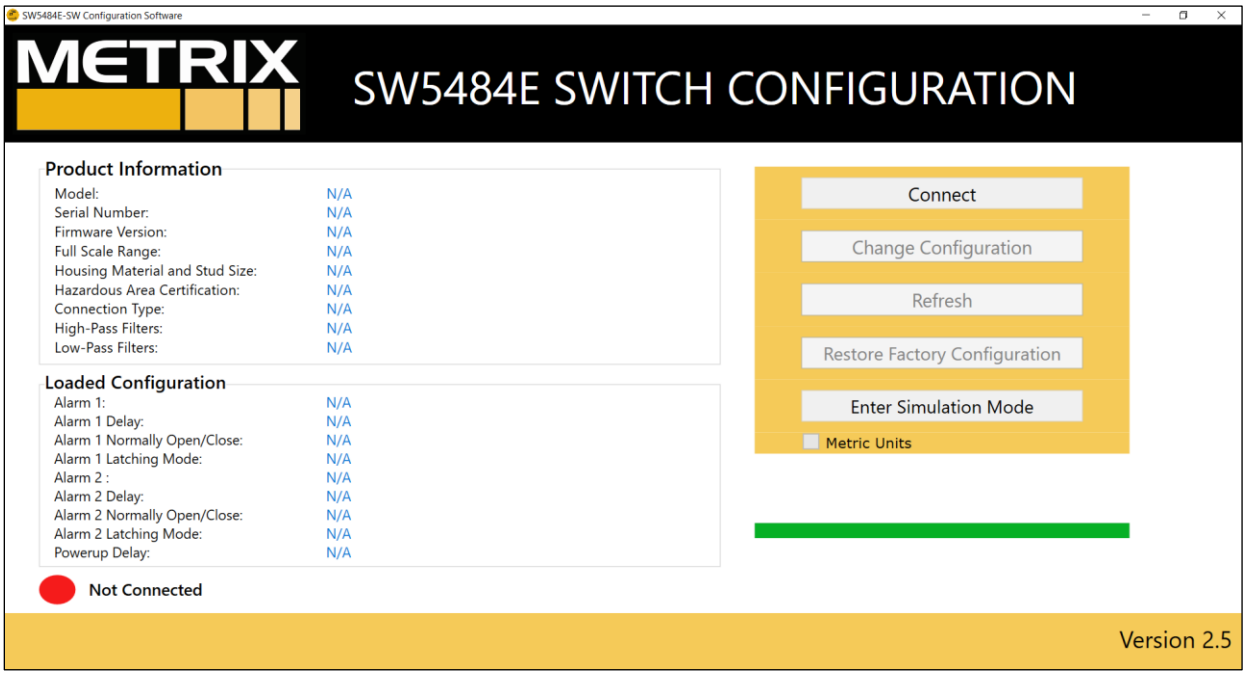

Figure 11: Main Screen after disconnecting from unit.

VI. Refresh:

Clicking “Refresh” will retrieve the loaded configuration from the unit and populate the values displayed on the screen.

VII. Restore Factory Configuration:

Clicking “Restore Factory Configuration” will restore to the unit to the original configuration from factory.

Note:

- Password is required to restore the configuration of the unit
- The two setpoints at factory are set at one quarter (1/4) and one half (1/2) of the full-scale range.

VIII. Simulation Mode

Simulation Mode allows the user to get acquainted with the SW5484E SWITCH CONFIGURATION application prior to using in the field.

Selecting “Enter Simulation Mode” will display the following:

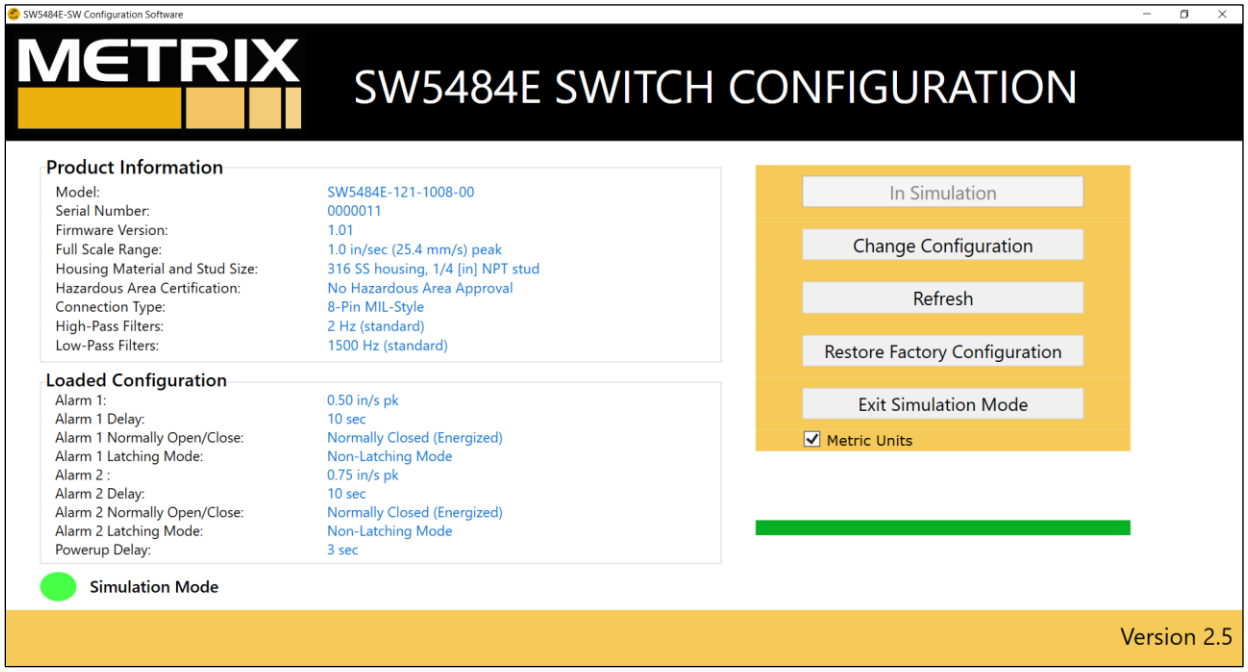

Figure 12: Simulation Mode Screen

The screen is populated with a simulated configuration and all buttons are enabled. Change Configuration, Refresh and Restore Factory Configuration buttons have functionality that allows user to become acquainted with this application.

Selecting “Exit Simulation Mode” takes the user back to Main Screen.

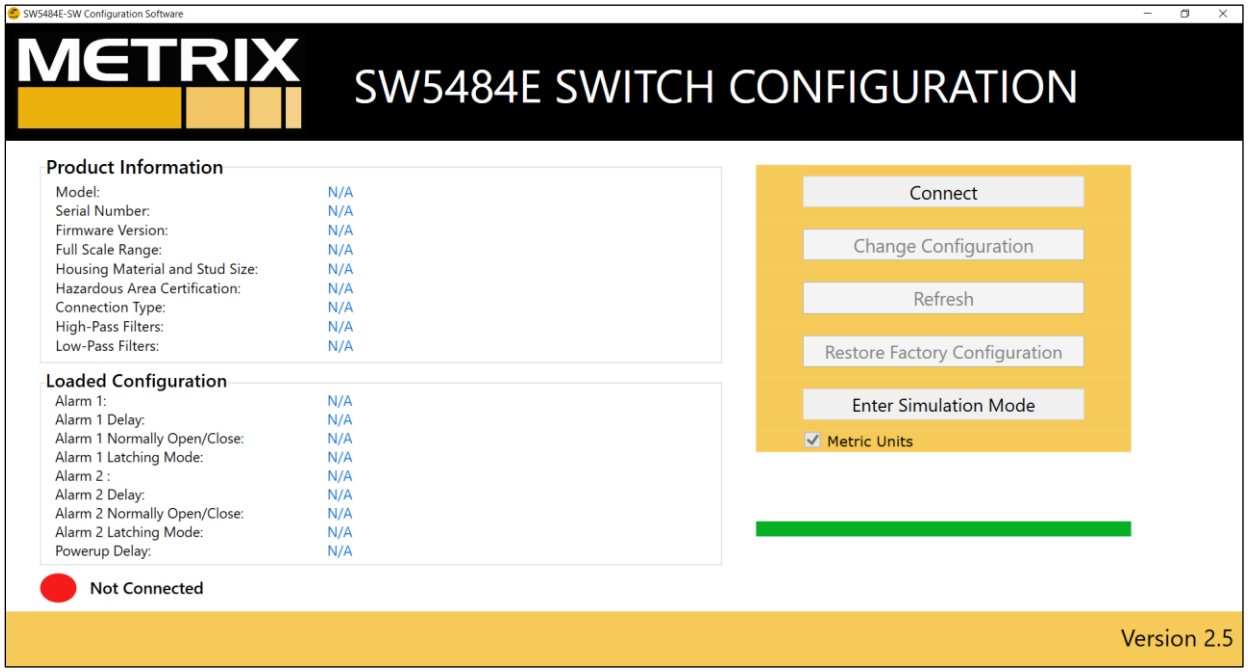

Figure 13: Main Screen after exiting Simulation Mode.

IX. Units

- Units can be changed to display as: in/s or mm/s.
- Change to the units can be done in Main Screen or Change Configuration window.

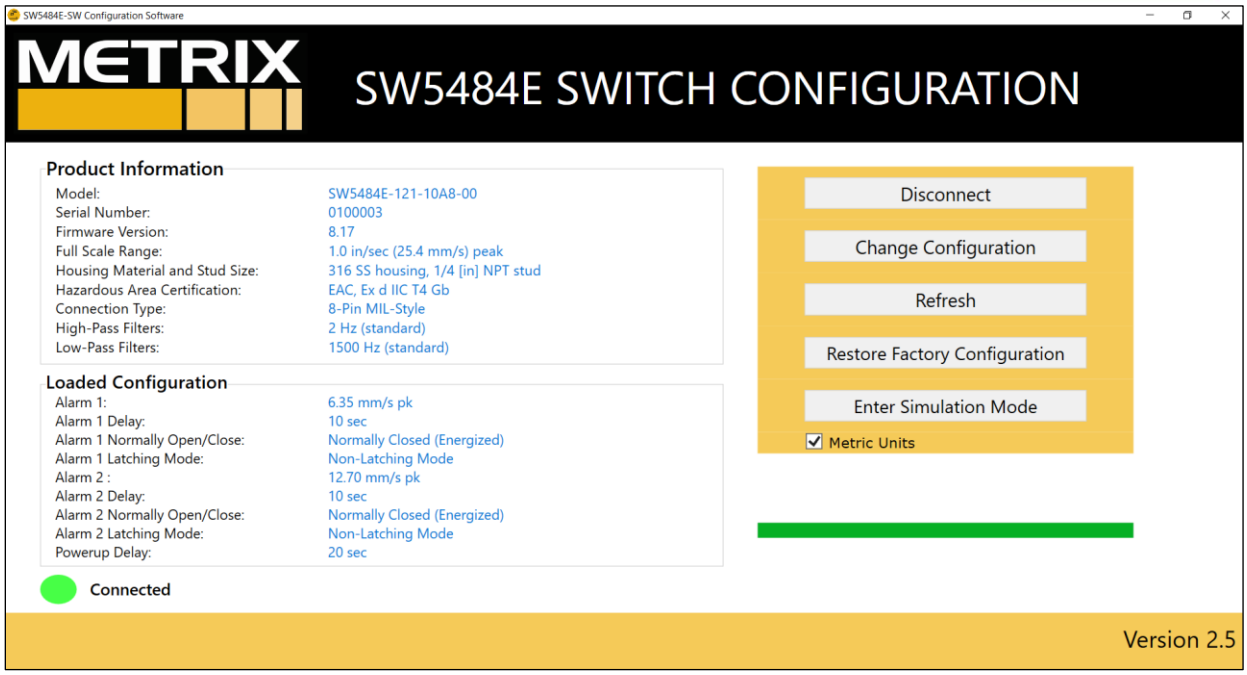

Figure 14: Units changed to mm/s in Main Window

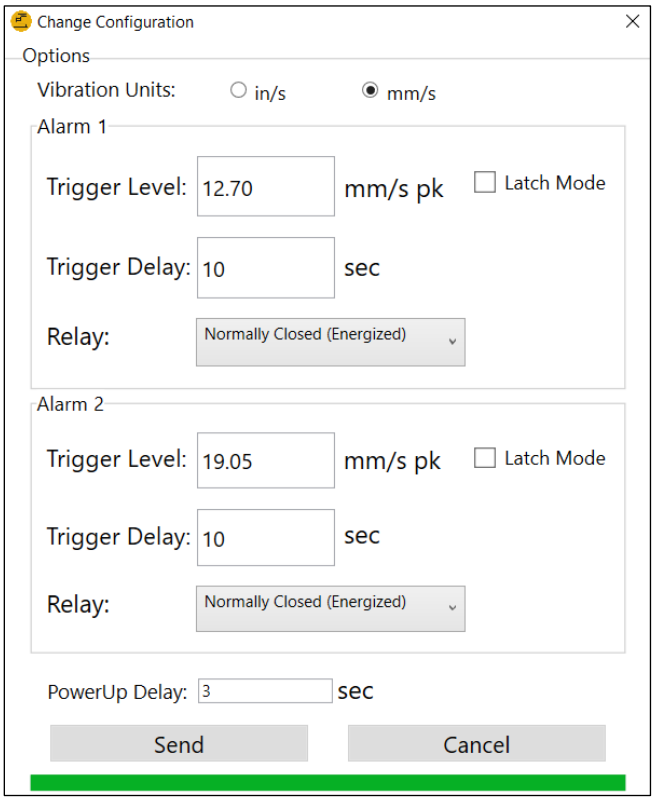

Figure 15: Units changed to mm/s in Change Configuration window.

X. Password

Password is required to change or restore a configuration in the unit.
The following window will appear to enter the password:

Note: Default password: Metrix123!

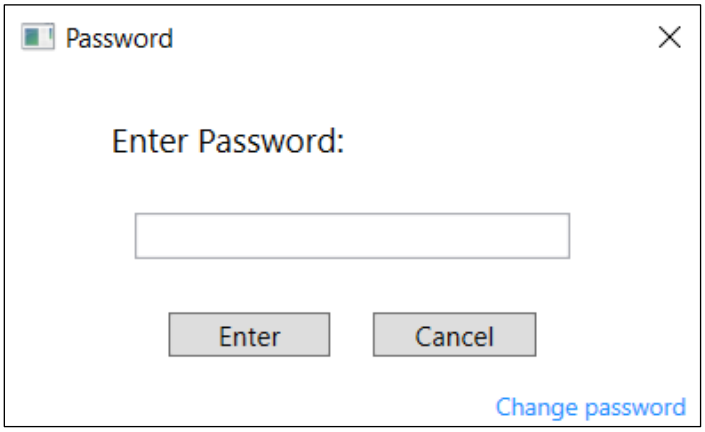

Figure 16: Password Window

Entering an incorrect password will prompt the following message to appear:

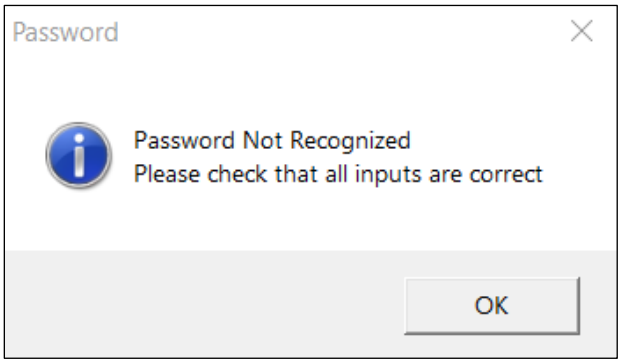

Figure 17: Message for an incorrectly entered password.

Entering the correct password will change or restore the configuration in the unit.

XI. Changing Password

Changing existing password can be done by clicking the "Change password" label on the bottom right corner of the Password window. Please refer to Figure 15.

Selecting this option will show the following window:

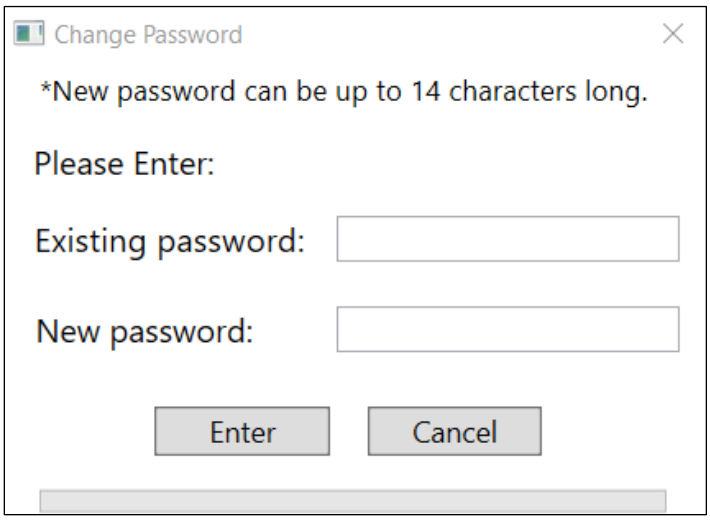

Figure 18: Change Password window.

Note: New password can be up to 14 characters long

After entering existing password and new password, click "Enter." Once the new password has successfully changed, the following message will appear:

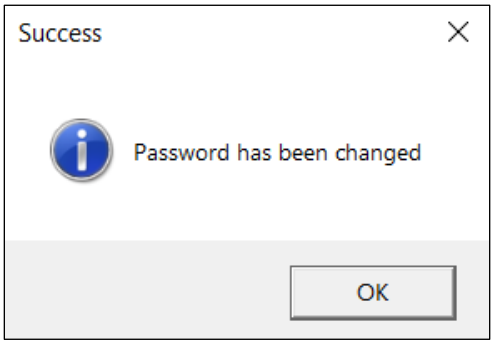

Figure 19: Success screen will appear after new password is saved.

Clicking "OK" will return to Password window.