

SW5484E SWITCH CONFIGURATION SOFTWARE

SOFTWARE DOWNLOAD: Ι.

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

The following page will open:

METRIX					Buy Now F	Find Distributor Careers	Site Map Rep	pZone
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City, State, Zip:								
* Country:								
Mobile Phone: Work Phone:								
* Email: Submit								

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.







Product Information Model: N/A Serial Number: N/A Full Scale Range: N/A Full Scale Range: N/A Housing Material and Stud Size: N/A Hazardous Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A Low-Pass Filters: N/A Low-Pass Filters: N/A Low-Pass Filters: N/A	Connect Change Configuration Refresh Restore Factory Configuration
Model: N/A Serial Number: N/A Firmware Version: N/A Full Scale Range: N/A Housing Material and Stud Size: N/A Housing Material and Stud Size: N/A Connection Type: N/A Low-Pass Filters: N/A Low-Pass Filters: N/A Alarm 1: N/A Alarm 1: N/A	Connect Change Configuration Refresh Restore Factory Configuration
Serial Number: N/A Firmware Version: N/A Firmware Version: N/A Full Scale Range: N/A Housing Material and Stud Size: N/A Hazardous Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A Oaded Configuration N/A Alarm 1: N/A Alarm 1: N/A	Change Configuration Refresh Restore Factory Configuration
Firmware Version: N/A Full Scale Range: N/A Housing Material and Stud Size: N/A Hazardous Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A Oraded Configuration N/A Alarm 1: N/A Alarm 1: N/A	Change Configuration Refresh Restore Factory Configuration
Full Scale Range: N/A Housing Material and Stud Size: N/A Hoarndus Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A oaded Configuration N/A Alarm 1: N/A Alarm 1: N/A	Refresh Restore Factory Configuration
Housing Material and Stud Size: N/A Hazardous Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A oaded Configuration Alarm 1: N/A Alarm 1. Delay: N/A	Refresh Restore Factory Configuration
Hazardous Area Certification: N/A Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A oaded Configuration Alarm 1: N/A Alarm 1. Delay: N/A	Refresh Restore Factory Configuration
Connection Type: N/A High-Pass Filters: N/A Low-Pass Filters: N/A oaded Configuration Alarm 1: N/A Alarm 1. Delay: N/A	Restore Factory Configuration
High-Pass Filters: N/A Low-Pass Filters: N/A oaded Configuration Alarm 1: N/A Alarm 1 Delay: N/A	Restore Factory Configuration
Low-Pass Filters: N/A oaded Configuration Alarm 1: N/A Alarm 1. Delay: N/A	Restore Factory Configuration
Alarm 1: N/A	Enter Circulation Marks
Alarm 1: N/A Alarm 1 Delay: N/A	Entern Cineral Stars Manda
Alarm I Delay	Enter Simulation Mode
Alarm 1 Normally Open/Close: N/A	
Alarm 1 Latching Mode: N/A	Metric Units
Alarm 2 N/A	
Alarm 2 Delay: N/A	
Alarm 2 Normally Open/Close: N/A	
Alarm 2 Latching Mode: N/A	
Powerup Delay: N/A	
Not Connected	

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:

	SW5484E SWITC	CH CONFIGURATION
Product Information Model: Serial Number: Firmware Version: Full Scale Range: Housing Material and Stud Size: Hazardous Area Certification: Connection Type: High-Pass Filters: Low-Pass Filters:	SW5484E-121-10A8-00 0100003 8.17 1.0 in/sec (25.4 mm/s) peak 316 SS housing, 1/4 [in] NPT stud EAC, Ex d IIC T4 Gb 8-Pin MIL-Style 2 Hz (standard) 1500 Hz (standard)	Disconnect Change Configuration Refresh Restore Factory Configuration
Loaded Configuration Alarm 1: Alarm 1 Delay: Alarm 1 Normally Open/Close: Alarm 1 Latching Mode: Alarm 2 : Alarm 2 Delay: Alarm 2 Normally Open/Close: Alarm 2 Latching Mode: Powerup Delay:	0.25 in/s pk 3 sec Normally Closed (Energized) Non-Latching Mode 0.50 in/s pk 3 sec Normally Closed (Energized) Non-Latching Mode 3 sec	Enter Simulation Mode

Figure 3: Screen displayed after connecting an SW5484E.



IV. Change Configuration:

Clicking the "Change Configuration"	button will display the	e following screen:

Change Configuration				×
Options Vibration Units:		0 (
Alarm 1	● in/s	∪ mm/s		_
, dann i				
Trigger Level:	0.50	in/s pk	Latch Mode	
Trigger Delay:	10	sec		
Delevi	Normally Closed (I	Enorgized)		
Relay:	Normally Closed (i	energized)	~	
Alarm 2				
Trigger Level	0.75	in/c.nk	🗌 Latch Mode	
ingger Level.	0.75	ш/зрк		
Trigger Delay:	10	sec		
Relay:	Normally Closed (I	Energized)	~	
PowerUp Delay:	3	sec		
Send	d		Cancel	

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.



Warning!		×
	The Normally Open setting de-energizes this relay and will no longer operate in "FailSafe" mode. This feature operates outside of the SIL certification requirement. Do you wish to continue?	
	Yes No	

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.

Warning!		\times
<u> </u>	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. Do you wish to continue?	
	Yes No	

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.

Passwo	ord		×
Er	nter Password:		
[
	Enter	Cancel	
		Change	e password

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.

Success!		×
1	Values are loaded.	
	ОК	

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.



	3003404L 30011C	LA CONFIGURATION
Product Information Model:	SW5484E-121-10A8-00	Disconnect
Firmware Version: Full Scale Range: Housing Material and Stud Size:	8.17 1.0 in/sec (25.4 mm/s) peak 316 SS housing, 1/4 [in] NPT stud	Change Configuration
Hazardous Area Certification: Connection Type: High-Pass Filters:	EAC, Ex d IIC T4 Gb 8-Pin MIL-Style 2 Hz (standard)	Refresh
Low-Pass Filters:	1500 Hz (standard)	Restore Factory Configuration
Alarm 1: Alarm 1 Delay: Alarm 1 Normally Open/Close:	0.25 in/s pk 10 sec Normally Closed (Energized)	Enter Simulation Mode Metric Units
Alarm 2 : Alarm 2 : Alarm 2 Delay: Alarm 2 Dormally Open/Close: Alarm 2 Latching Mode: Powerup Delay:	Latching Mode 0.50 in/s pk 10 sec Normally Closed (Energized) Latching Mode 20 sec	

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.



Product Information	SW5484F-121-1048-00	Disconnect
Serial Number:	0100003	Disconnect
Firmware Version:	8.17	Change Configuration
Full Scale Range: Housing Material and Stud Size:	1.0 in/sec (25.4 mm/s) peak 216 SS boursing 1/4 (in) NPT stud	Change Configuration
Hazardous Area Certification:	EAC. Ex d IIC T4 Gb	
Connection Type:	8-Pin MIL-Style	Refresh
High-Pass Filters:	2 Hz (standard)	
Low-Pass Filters:	1500 Hz (standard)	Restore Factory Configuration
oaded Configuration		
Alarm 1:	0.25 in/s pk	Enter Simulation Mode
Alarm 1 Delay: Alarm 1 Normally Open/Close:	3 sec Normally Closed (Epergized)	Metric Unite
Alarm 1 Latching Mode:	Non-Latching Mode	
Alarm 2 :	0.50 in/s pk	
Alarm 2 Delay:	3 sec	
Alarm 2 Latching Mode:	Non-Latching Mode	
Powerup Delay:	3 sec	

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

ABLE-SW Configuration Software	SW5484E SWIT	ICH CO	ONFIGURATION	- 1
Product Information Model: Serial Number: Firmware Version: Full Scale Range: Housing Material and Stud Size: Hazardous Area Certification: Connection Type: High-Pass Filters: Low-Pass Filters:	SW5484E-121-1008-00 0000011 1.01 1.0 in/sec (25.4 mm/s) peak 316 SS housing, 1/4 [in] NPT stud No Hazardous Area Approval 8-Pin MIL-Style 2 Hz (standard) 1500 Hz (standard)		In Simulation Change Configuration Refresh Restore Factory Configuration	
Loaded Configuration Alarm 1: Alarm 1 Delay: Alarm 1 Normally Open/Close: Alarm 1 Latching Mode: Alarm 2 Delay: Alarm 2 Normally Open/Close: Alarm 2 Latching Mode: Powerup Delay:	0.50 in/s pk 10 sec Normally Closed (Energized) Non-Latching Mode 0.75 in/s pk 10 sec Normally Closed (Energized) Non-Latching Mode 3 sec		Exit Simulation Mode	
Simulation Mode			١	/ersion 2

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.

	3773404C 31	UNFIGURATION	
Product Information			
Model:	N/A	Connect	
Serial Number:	N/A		
Firmware Version:	N/A		
Full Scale Range:	N/A	Change Configuration	
Housing Material and Stud Size:	N/A		
Hazardous Area Certification:	N/A	Defrech	
Connection Type:	N/A	Refresh	
High-Pass Filters:	N/A		
Low-Pass Filters:	N/A	Restore Factory Configuration	
oaded Configuration			
Alarm 1:	N/A	Enter Simulation Mode	
Alarm 1 Delay:	N/A	Enter Simulation Wode	
Alarm 1 Normally Open/Close:	N/A	Metric Units	
Alarm 1 Latching Mode:	N/A	 	
Alarm 2 :	N/A		
Alarm 2 Delay:	N/A		
Alarm 2 Normally Open/Close:	N/A		_
Alarm 2 Latching Mode:	N/A		
Powerup Delay:	N/A		

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.

E-SW Configuration Software SW 5484E SWI	
	ICH CONFIGURATION
Model: SW5484E-121-10A8-00 Serial Number: 0100003 Firmware Version: 8.17 Full Scale Range: 1.0 in/sec (25.4 mm/s) peak Housing Material and Stud Size: 316 SS housing, 1/4 [in] NPT stud Hazardous Area Certification: EAC, Ex d IIC T4 Gb Connection Type: 8-Pin MIL-Style High-Pass Filters: 2 Hz (standard) Low-Pass Filters: 1500 Hz (standard)	Disconnect Change Configuration Refresh Restore Factory Configuration
oaded Configuration Alarm 1 6.35 mm/s pk Alarm 1 Delay: 10 sec Alarm 1 Normally Open/Close: Normally Closed (Energized) Alarm 1 Latching Mode: Non-Latching Mode Alarm 2 : 12.70 mm/s pk Alarm 2 Delay: 10 sec Alarm 2 Delay: 10 sec Alarm 2 Normally Open/Close: Normally Closed (Energized) Alarm 2 Normally Open/Close: Normally Closed (Energized) Alarm 2 Letching Mode: Non-Latching Mode Powerup Delay: 20 sec	Enter Simulation Mode

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

Change Configuration				×
Options				
Vibration Units:	$^{\circ}$ in/s	mm/s		
Alarm 1				
Trigger Level:	12.70	mm/s pk	Latch Mode	
Trigger Delay:	10	sec		
Relay:	Normally Closed (Energized) 🗸]	
Alarm 2				
Trigger Level:	19.05	mm/s pk	Latch Mode	
Trigger Delay:	10	sec		
Relay:	Normally Closed (Energized) 🗸		
PowerUp Delay:	3	sec		
Send	d	C	ancel	

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!

Password	×
Enter Password:	
Enter	Cancel
	Change password

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

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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:

Change Password	\times	
*New password can be up to 14 characters long.		
Please Enter:		
Existing password:		
New password:		
Enter Cancel		

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:

Success		×
1	Password has been changed	
	ОК	

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