

MP8000 SOFTWARE Instruction Manual REVISION 0-B-030818



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1.0 INTRODUCTION

1.1 Manual Overview

The MP8000 Software manual describes the features and abilities of the MP8000 software. The MP8000 software program is designed to interact with the MP8000 Motor Relay product. The software allows a user to see real time values, change configuration settings, and view device fault logs and information. In addition, this manual includes a troubleshooting section for dealing with possible issues that could arise when dealing with the software.

1.2 System Requirements

In order to run and use the MP8000 Software program, the following system requirements must be met in order to assure proper functionality of the software.

OPERATING SYSTEM	Microsoft Windows 7 or later (32 or 64 bit)
.NET FRAMEWORK	.NET Framework version 4.5 or greater
CPU	Intel Core i5 or better recommended
RAM	4GB or greater
ETHERNET	Ethernet port or compatible USB-to-Ethernet adapter

NOTE: This software can be run without administrative privileges. *HOWEVER*, this program communicates with MP8000 devices over TCP/IP. More specifically, the software listens for MP8000 broadcast packets on UDP port 17186, and connects to and reads data from an MP8000 over Modbus. As such, the program must be allowed through the firewall settings on the computer it is running on to insure proper functionality. Allowing a program through a firewall may require administrator permissions.



2.0 GETTING STARTED

This section of the document describes the process of unzipping, installing, and running the MP8000 Software program. Unless the files have been acquired by a different source, an active internet connection is required to download the program files necessary for running the MP8000 Software program.

2.1 Unzipping and running

Step 1: Extract the ZIP folder (if you haven't already) after downloading.

1a. Click the "Extract all files" button



Figure 2.1 – Extracting all files



1b. Make sure the **"Show extracted files when complete"** checkbox is selected, then click the **"Extract"** button at the bottom of the window.

Extract Compressed (Zipped) Folders	
Select a Destination and Extract Files	
Files will be extracted to this <u>f</u> older:	
C:\MP8000_Software_v2.0.17.21	Browse
I S <u>h</u> ow extracted files when complete	Extract Cancel

Figure 2.2 – Actually Extracting

Step 2: Once the program files are extracted, run the program by double-clicking on the .exe file.



Figure 2.3 – Extracted files



Step 3: In order to use the MP8000 Software program, you must read and agree to the license agreement.



Figure 2.4 - License Agreement

Step 4: Allow the program through the firewall.

NOTE: If Windows prompts you to allow the program through the firewall, you must do this in order for this program to work. If you do not have administrative rights on your machine, you may need to contact your system administrator. The MP8000 software will NOT work unless it is allowed through the firewall.



Figure 2.5 - Firewall Alert



Step 5: Wait for the program to discover units.

Once the program starts up and has been allowed through the firewall, the MP8000 software will begin scanning for MP8000 units. Any units found will be displayed in the left-hand sidebar, as shown below. To select a unit, click on the unit in the left hand side bar.

MP8000 Software - Version 1.210.0.0		_ = X
🚧 Littelfuse		
253423-5004 MAC XXXX5004		
921876 MAC XXXX5005		
544658 MAC XXXX5006	Select a device on the left	
MP8000-5008 MAC XXXX5008		
MP8K_402857 MAC XXXX374D		
🔕 Discovering Devices 🦪		

Figure 2.6 - Unit Detection

Once a unit has been selected, the real time page opens up and the MP8000 Software starts reading values from the selected unit. This is shown in the screenshot below.

Settings Discov and Help Device	ered List	MP80 Screens	00 Device and Optio	ns		
MP8000 Software - Version 1.210.0.0						
🚧 Littelfuse	MP8000-5008 MAC XXX	(X0:08	.dı Real Time	Configuration	Faults	i) Device Info
MAC XXXX5007	Fault Status:	ЭК				Reset Unit
Terry MP8k	Warn Status:	Overcurrent Det	ected	Activ	ve Timer: 00:0	00:00 Inactive
MAC XXXX5001	Voltag	je	Curre	ent	P	ower
MP8K MAC XXXX4230	L1-L2	455.00 VAC	A	15.10 amps	P	10.95 KW
мрак	L2-L3	482.00 VAC	в	16.20 amps	PF	+0.87 lagging
MAC XXXX5002	L3-L1	478.00 VAC		14.90 amps	Equipn	nent Status
MP8000-5008 MAC XXXX5008	VUB	3.53 %	СИВ	5.19 %	MRT	53:13:48 hrs
MP8K		Other	Stats		SCNT	2876
MAC XXXX41EE	Motor Service Time:	53:13:48 h	Measured Line Frequen	cy: 60		
Discovering Devices 🕄	Remaining Trip Delay Tin Ground Fault Current:	ne: 30 0	Measured Phase Seque Positive Temperature Co	nce: 0 peficient: 0	TCU	78.81 %

Figure 2.7 – Real Time Screen Breakdown

The rest of the document gives more explanation to each screen in the MP8000 software.



2.2 Connection Diagrams

The MP8000 Software supports three network setups: one where the computer running the MP8000 Software and the MP8000 unit are both connected to a DHCP enabled router, a network with where a static IP address is assigned, and a point-to-point connection between the computer running the MP8000 Software and an MP8000 unit without using a router.

The first two setups are shown below in Figure 2.8. In this setup, both the computer and the MP8000 unit are connected to either a DHCP-enabled router with Ethernet cables or a network where a static IP address is assigned.



Figure 2.8 – DHCP or Static IP Connection Diagram

In the second setup, an MP8000 Unit is connected directly to the computer running the MP8000 Software with an Ethernet Cable. This setup is shown below in Figure 2.9. In order for the MP8000 Software to detect units on a point-to-point connection, some Windows network settings need to be changed.



Figure 2.9 – Point-to-Point Connection

To configure your Windows machine for a point-to-point connection with an MP8000, follow the steps below.

- 1. Open the computer's Control Panel.
- 2. In the Control Panel, search for the Network and Sharing Center link (shown in Figure 10 below).



Eile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp			
Adjust your computer's settings			View by: Small icons ▼
Action Center	🛱 Administrative Tools	📷 AutoPlay	🐌 Backup and Restore
Blackhawk Control Panel	💶 Color Management	🧧 Credential Manager	骨 Date and Time
🕏 Default Programs	🔊 Dell Audio	📑 Desktop Gadgets	🚔 Device Manager
Devices and Printers	🜉 Display	lase of Access Center	Flash Player (32-bit)
Folder Options	💦 Fonts	Free Fall Data Protection	📇 Getting Started
💐 HomeGroup	🔒 Indexing Options	📳 Intel® HD Graphics	😥 Intel® Rapid Storage Technology
Internet Options	🕌 Java (32-bit)	Keyboard	Location and Other Sensors
Mail (Microsoft Outlook 2016) (32-bit)	I Mouse	Network and Sharing Center	🛄 Notification Area Icons
Performance Information and Tools	Personalization	Phone and Modem	🗃 Power Options
Programs and Features	🌮 Recovery	🔗 Region and Language	🐻 RemoteApp and Desktop Connections
Sound	🗄 Speech Recognition	🔞 Sync Center	🕎 System
L Taskbar and Start Menu	📧 Troubleshooting	🍇 User Accounts	🥰 Windows Anytime Upgrade
Windows CardSpace	iiii Windows Defender	🔗 Windows Firewall	🖼 Windows Mobility Center
🖥 Windows Update			

Figure 10 – Control Panel view showing Network and Sharing Center link

3. In the left pane of the Network and Sharing Center, click on the *Change adapter settings* link (shown in Figure 11 below).



Figure 11 – Network and Sharing Center Change adapter settings link



4. In the *Change adapter settings* link, you will see icons representing all of the available Ethernet and Bluetooth connections. The Ethernet port on PCs is usually listed as "Local Area Connection" (as shown in Figure 12 below). Be sure to choose the correct Ethernet port for your machine.



Figure 12 – Local Area Connection

5. Right-clicking the "Local Area Connection" icon will bring up a sub-menu. Select "Properties" from the sub-menu (shown in Figure 13 below).



Figure 13 – Local Area Connection "Properties" selection



- 6. The "Local Area Connection Properties" window will open (Figure 14).
- 7. Highlight "Internet Protocol Version 4 (TCP/IPv4) in the items list and then click the "Properties" button on the right-hand side of the window (both shown in Figure 14 below).

Local Area Connection Properties								
Networking Sharing								
Connect using:								
Intel(R) Ethernet Connection								
Configure								
This connection uses the following items:								
Client for Microsoft Networks								
VMware Bridge Protocol								
Image: Scheduler Ima								
Internet Protocol Version 6 (TCP/IPv6)								
Internet Protocol Version 4 (TCP/IPv4)								
Link-Layer Topology Discovery Mapper I/O Driver								
Install Uninstall Properties								
Description								
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication								
across diverse interconnected networks.								
OK Cancel								

Figure 14 – Local Area Connection Properties window

 When the Internet Protocol Version 4 (TCP/IPv4) Properties window opens, you will see that your computer is configured to either "Obtain an IP address automatically" (shown in Figure 15 below) OR "Use the following IP address" (using a static IP address, shown in Figure 16 below).

Internet Protocol Version 4 (TCP/IPv4)	Propert	ies		l	y x				
General Alternate Configuration									
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.									
Obtain an IP address automatical	y								
Ouse the following IP address:									
IP address:									
Sybnet mask:									
Default gateway:									
Obtain DNS server address auton	natically								
Use the following DNS server add	resses:								
Preferred DNS server:									
Alternate DNS server:			•	• *					
Validate settings upon exit			(Adva	inced				
		C	Ж		Cancel				

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator
Obtain an IP address automatical	lly
Ose the following IP address:	
IP address:	192 . 168 . 128 . 252
Subnet mask:	255.255.255.0
Default gateway:	223 . 255 . 255 . 0
Obtain DNS server address autor	natically
Ouse the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	• • •
Validate settings upon exit	Advanced
	OK Cancel

Figure 15 – Obtain an IP address automatically

Figure 16 – Using a static IP address



9. IF YOUR COMPUTER IS CONFIGURED TO USE A STATIC IP ADDRESS, MAKE SURE AND RECORD THE VALUES LISTED IN ALL OF THE RELEVANT FIELDS.

- 10. In order for the point-to-point connection to function properly, the Internet Protocol Version 4 (TCP/IPv4) Properties must be configured as follows (shown in Figure 17 below).
 - IP address: 10.106.0.1
 - Subnet Mask: 255.255.0.0

General	
You can get IP settings assigned a this capability. Otherwise, you nee for the appropriate IP settings.	utomatically if your network supports d to ask your network administrator
💿 Obtain an IP address automa	tically
• Use the following IP address:	
IP address:	10 .106 . 0 . 1
Subnet mask:	255.255.0.0
Default gateway:	
Obtain DNS server address and the server address add	utomatically
• Use the following DNS server	addresses:
Preferred DNS server:	
Alternate DNS server:	• • •
Validate settings upon exit	Advanced

Figure 17 – Point-to-Point Communication TCP/IPv4 settings

- 11. Click the "OK" button to save changes.
- 12. The computer is now properly configured for point-to-point communications. You can now connect your computer to an MP8000 with an Ethernet cable. Keep in mind that the MP8000 Software can take up to 120 seconds to discover units on a point to point connection.
- 13. To restore the computer to the settings necessary for communication on the user's usual network, repeat steps 1-8 and re-establish the IP address, Subnet mask, Default gateway, Preferred DNS server, and Alternate DNS server as they were recorded in step 9.



3.0 REAL-TIME SCREEN OVERVIEW

The real time screen provides updates every second for all the motor's vital measurements. The real time screen is divided up into various sections, including sections for voltage, current, power, and other motor measurements, as shown below in Figure 3.1.



Figure 3.1 – Real Time Screen

The fault and warn status indicators on the real time screen will display a message in red if the motor encounters a warning or fault status change. An example of this is shown below in Figure 3.2.

M MP8000 Software - Version 1.221.00 (DEBUG)							
<u> </u>	MP8000-5001 MAC XXX	XX0:01	.d. Real Time	Configuratio	in Faults	Device Info	
253423 MAC XXXX5004	Fault Status: Warn Status:	Tripped on Linear OK	Overcurrent	A	Force T	nip Reset Unit	
921876	Volt	age	Curre	ent	Po	ower	
MAC XXXX5005	L1-L2	455 VAC	A	0.00 amps	P	0.000 KW	
544658							
MAC XXXX5006	L2-L3	482 VAC	в	0.00 amps	PF	+0.00 lagging	
MP8000-5001		479 1400		0.00 ampc	Equipm	ent Status	
MAC XXXX5001		470 470		0.00 01103	MDT	29:50:57 bre	
MP8000-5008	VUB	3.5 %	СИВ	0.0 %		20.00.07 113	
MAC XXXX5008		Othe	r Stats		SCNT	2656	
	Motor Service Time:	28:50:57 h	Ground Fault Current:	0			
	Measured Line Frequency:	60	Measured Phase Sequence:	ABC	TCU	1.68 %	
	Remaining Trip Dela Time:	^{ay} 0	Positive Temperature Coeficient:	0			
Discovering Devices 🗘	Motor Relay State:	Open	Auxiliary Relay State:	Open			

Figure 3.2 – Real Time Screen with Fault Status Shown

For more details on each real time value, please see the full instruction manual for the MP8000.



4.0 CONFIGURATION SCREEN OVERVIEW

This section describes configuration screen of MP8000 Software program. The configuration screen is divided into two sections: a basic settings page and an advanced settings page. The settings listed on each screen control the various function of the MP8000. For more information on what each setting controls, please see the full MP8000 instruction manual.

4.1 Basic Configuration Screen

Shown below in Figure 4.1 is a screenshot of the basic configuration screen.

MP8000 Software - Version 1.220.0.2					×
🚧 Littelfuse°	MP8000-5008 MAC XXXX0:08	Re	al Time Configuration	Faults Device Info	5
253423	Basic Settings Advanced Setting	ngs Import	Settings Export Settings	Save Change	s
MAC XXXX5004	Voltage		Timer	Settings	
921876 MAC XXXX5005	LV Low Voltage	100 VAC	RD0 Power-up Timer	5 sec	
544659	HV High Voltage	550 VAC	RD1 Rapid-cycle Timer	10 sec	
MAC XXXX5006	Voltage Unbalance	5.0 %	RD2 Motor Cool-down Time	r 20 sec	
MP8000-5001	Current		RD3 Dry-well Recovery Tim	ier 1 sec	
MAC XXXX5001	Over Current	1000 amps	Resta	rt Settings	
MP8000-5008 MAC XXXX5008	Under Current	20 amps	RU Restart Attempts for Ur	Idercurrent Trips 100	
MP8K_402857_	CUB Current Unbalance	45.0 %	RF Restart Attempts for all	other Trips 1	
MAC XXXX374D	TC Trip Class	30			
Discovering Devices 🔿					

Figure 4.1 – Basic Configuration Page

4.2 Advanced Configuration Screen

Shown below in Figure 4.2 is a screenshot of the advanced configuration screen.

MP8000 Software - Version 1.220.0.2					
🚧 Littelfuse	MP8000-5008 MAC XXXX0:08	 Real Time	Configuration	Faults	(i) Device Info
253423	Basic Settings Advanced Settings	Import Settings	Export Settings		Save Changes
MAC XXXX5004	CT Current Transformer Ratio	1	LKW Low Power T	rip Limit	0.000 KW
921876 MAC XXXX5005	PT Potential Transformer Ratio	1	HKW High Power (0 = OFF)	Trip Limit	0.000 KW
544658	ULTD Under Load Trip Delay	1 sec	HPTD High Power	Trip Delay	30 sec
MAC XXXX5006	Linear Over Current Trip Delay (0 = OFF)	0 sec	STLP Stall Percent (0 = OFF)	lage	0 %
MP8000-5001	GFTC Ground Fault Trip Current	5.0 amps	STTD Stall Trip De	lay	10 sec
MAC XXXX5001	GFTD Ground Fault Trip Delay	5.0 sec	Stall Inhibit D	lelay	17 sec
MP8000-5008 MAC XXXX5008	SPM Single Phase Motor	Disabled	GMFT Ground Fault OR Alarm	Motor Trip	Disabled
MP8K 402857	PTC PTC Enable	Disabled	CBA CBA Phase F	Rotation	Disabled
MAC XXXX374D	SPT Single PT	Disabled	AUX Auxiliary Rel	ay Support	Disabled
Discovering Devices 🗘	NAME Friendly Device Name (12 chara	acters max): MP8000-	5008		

Figure 4.2 – Advanced Configuration Page



Whenever a change is made to the configuration values, the textbox field will turn green and a red save changes message will appear next to the save button. If you try to leave the configuration page without saving your changes, the MP8000 software will alert you to this fact and ask you if you want to continue without saving your changes. In the screenshot below, the High Voltage value was changed, as indicated by the green background on the textbox. In addition, you can also see the red "Unsaved changes" label next to the "Save Changes" button in the upper right. Clicking the "Saved Changes" button will save all configuration values in the MP8000 Software to the connected MP8000 unit.

MP8000 Software - Version 1.220.0.2					_ D X
🚧 Littelfuse	MP8000-5008 MAC XXXX0:08	R eal Time	Configuration	Faults	(i) Device Info
253423	Basic Settings Advanced Settin	Import Settings	Export Settings	nsaved changes	Save Changes
MAC XXXX5004	Voltage		Time	r Settings	
921876 MAC XXXX5005	LV Low Voltage	100 VAC	Power-up Timer		5 sec
544659	HV High Voltage	500 VAC RD1 F	Rapid-cycle Timer		10 sec
MAC XXXX5006	Voltage Unbalance	5.0 % RD2 M	Notor Cool-down Time	er	20 sec
MP8000-5001	Current	RD3 [Ory-well Recovery Tin	ner	1 sec
MAC XXXX5001		4000	Resta	rt Settings	
MP8000-5008	OC Over Current	1000 amps	i testa	n Seungs	
MAC XXXX5008	Uc Under Current	20 amps RU F	Restart Attempts for Ur	ndercurrent Trips	100
MP8K_402857_	CUB Current Unbalance	45.0 % RF F	Restart Attempts for all	l other Trips	1
MAC XXXX374D	TC Trip Class	30			
Discovering Devices C					

Figure 4.3 – Unsaved Changes

In addition to viewing and changing configuration values, the MP8000 Software allows users to export configuration settings. The exported configuration settings can then be imported for another unit.

5.0 FAULT LOG SCREEN OVERVIEW

This section describes the fault log screen, which is shown in figure 5.1 below. A fault log is generated by the MP8000 for any significant event that occurs, such as a motor fault or a firmware update. The fault log screen allows the user to view the various fault logs that have been generated by the MP8000 unit.

MP8000 Software - Version 1.213.0.0					- - X
<u>#</u> Littelfuse°	MP8000-5008 MAC XXXX0:08	nin Real Time	ද ි Configuration	Faults	Device Info
my name is	Fault Log Data			Continuously n	eading fault logs 🖞
MAC XXXX5004	Fault Code Date	Log Entries			*
	Tripped on Linear Overcurrent 3/23/2017	47:05 AM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	13=14.9 amps,
921876	Tripped on Linear Overcurrent 3/23/2017	42:02 AM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, 13=14.9 amps,
	Low Control Voltage Fault 3/23/2017	:56:07 PM V1=0 VAC, V2=0 VAC	, V3=0 VAC, I1=0.00 amps	12=0.00 amps, 13=0.0	Damps, MRT=
MAC XXXX5005	F/W Update 3/23/2017				0 amps, MRT=
	Tripped on Linear Overcurrent 3/23/2017	:50:28 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	. 13=14.9 amps,
MP8000-4233	Tripped on Linear Overcurrent 3/23/2017	:47:07 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	. 13=14.9 amps
MAC XXXX4233	Tripped on Linear Overcurrent 3/23/2017	:42:05 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	. 13=14.9 amps, 📃
	Tripped on Linear Overcurrent 3/23/2017	:37:03 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	13=14.9 amps,
544658	Tripped on Linear Overcurrent 3/23/2017	:32:00 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	13=14.9 amps,
MAC XXX5006	Tripped on Linear Overcurrent 3/23/2017	26:57 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	13=14.9 amps,
1	Tripped on Linear Overcurrent 3/23/2017	25:55 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, I3=14.9 amps,
MP9K 702662	Tripped on Linear Overcurrent 3/23/2017	20:52 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, I3=14.9 amps,
Mi 61_795002	Tripped on Linear Overcurrent 3/23/2017	20:34 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	. I3=14.9 amps,
MAC XXXX4230	Tripped on Linear Overcurrent 3/23/2017	17:18 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, I3=14.9 amps,
-	Tripped on Linear Overcurrent 3/23/2017	16:32 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	. I3=14.9 amps,
MP8000-5008	Tripped on Linear Overcurrent 3/23/2017	11:29 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, I3=14.9 amps,
MAC XXXX5008	Tripped on Linear Overcurrent 3/23/2017	:06:26 PM V1=455 VAC, V2=482	VAC, V3=478 VAC, I1=15.	1 amps, I2=16.2 amps	, 13=14.9 amps, 🖕
Discovering Devices	View Log Entry	1			

Figure 5.1 – Fault Log Screen



The fault screen lists all the faults in order from newest to oldest. An expanded fault log view can be shown by selecting a log entry in the row and then either double-clicking on the entry, or clicking the "View Log Entry" button at the bottom of the window. This will open an expanded data view window, as shown below in Figure 5.2.

MP8000 Software - Version 1.213.0.0						_ = X
💤 Littelfuse	MP8000-5008 MAC XXXX	×0:08	 Real Time	Configuration	Faults	(i) Device Info
my name is MAC XXXX5004	Faul Faul C Trippec Trippec	Information Value 12 (Tripped on Linea 3/23/2017 5:50:28 F	r Overcurrent) PM	78 VAC, I1=15	Continuously r	eading fault logs 📀
921876 MAC XXXX5005	V1 Low Co V2 F/W U V3	455 VAC 482 VAC 478 VAC		E 11=0.00 amps	s, 12=0.00 amps, 13=0.0 s, 12=0.00 amps, 13=0.0 s, 12=0.00 amps, 13=0.0	0 amps, MRT= 0 amps, MRT=
MP8000-4233 MAC XXXX4233	Trippec 11 Trippec 12 Trippec 13	15.1 amps 16.2 amps 14.9 amps		78 VAC, 11=15 78 VAC, 11=15 78 VAC, 11=15	1 amps, 12=16.2 amps 1 amps, 12=16.2 amps 1 amps, 12=16.2 amps	, 13=14.9 amps , 13=14.9 amps , 13=14.9 amps
544658 MAC XXXX5006	Tripped MRT Tripped TCU Tripped P1 Tripped P2	00:00:01 h 344 3.45 KW		78 VAC, 11=15 78 VAC, 11=15 78 VAC, 11=15 78 VAC, 11=15	 i.1 amps, 12=16.2 amps i.1 amps, 12=16.2 amps i.1 amps, 12=16.2 amps i.1 amps, 12=16.2 amps 	, 13=14.9 amps , 13=14.9 amps , 13=14.9 amps , 13=14.9 amps
MP8K_793662 MAC XXXX4230	Trippec Trippec	3.58 KW	Clos	* 78 VAC, I1=15 78 VAC, I1=15 78 VAC, I1=15 78 VAC, I1=15	i.1 amps, 12=16.2 amps i.1 amps, 12=16.2 amps i.1 amps, 12=16.2 amps	, 13=14.9 amps , 13=14.9 amps , 13=14.9 amps
MP8000-5008 MAC XXXX5008	Tripped on Linear Overcui Tripped on Linear Overcui Tripped on Linear Overcui View Log Entry	ment: 3/23/2017 5:16:32 PM ment: 3/23/2017 5:11:29 PM ment: 3/23/2017 5:06:26 PM	V1=405 VAC, V2=482 V1=455 VAC, V2=482 V1=455 VAC, V2=482 V1=455 VAC, V2=482	v AC, V3=4 78 VAC, I1=15 VAC, V3=478 VAC, I1=15 VAC, V3=478 VAC, I1=15	i.1 amps, I2=16.2 amps i.1 amps, I2=16.2 amps i.1 amps, I2=16.2 amps	, 13=14.9 amps, , 13=14.9 amps, , 13=14.9 amps,

Figure 5.2 – Expanded Fault Log View

6.0 DEVICE INFO SCREEN OVERVIEW

This section describes the device info screen of the MP8000 Software. The device info screen gives users information about an MP8000 unit at a glance. The device info screen displays an MP8000's MAC Address, IP Address, and firmware versions (both for the controller and the Bluetooth firmware revisions). In addition, various communication settings are shown on the device info screen as well. A screenshot of the device info screen is shown below in Figure 6.1.

MP8000 Software - Version 1.219.0.0					
🚧 Littelfuse	MP8000-5008 MAC XXXX0:08	 Real Time	Configuration	Faults	Device Info
253423 MAC XXXX5004	MP8000 Device Information		Commu	nication Settings	
921876 MAC XXXX5005	Device Name: MP8000-5008 IP Address: 192.168.128.95		BAU RS4 PAF	ID 85 Baud Rate NTY	115200 None
544658 MAC XXXX5006	MAC Address: 00:21:6f:50:50:08 Contoller Revision: 2.3.17.19	RS4 STC RS4	1.5		
MP8000-5008 MAC XXXX5008	Bluetooth Revision: 0.110.0.1		SLA Mod	VE ADDRESS Ibus Slave Address	0x1234
Discovering Devices 🖏					

Figure 6.1 – Device Info Screen



7.0 TROUBLESHOOTING

The following sections describe possible scenarios that may require additional efforts to get working.

7.1 No Units Are Discovered

Symptom: MP8000 Software runs, but no units are discovered (shown in Figure 7.1 below).



Figure 7.1 – No Units Discovered

Possible Solutions:

- Check that the MP8000 Software program is allowed through the firewall
- Check that your computer is connected to the same network that the MP8000 unit(s) is/are on
- Make sure that the MP8000 Software is not being blocked by any antivirus software

7.2 .NET Version Error

Symptom: Program failed to start because of a .NET framework error (shown below in Figure 7.2).



Figure 7.2 – .NET Framework Version Error

Possible Solutions:

- Check that you have a version of the .NET framework installed that is version 4.5 or greater
- -The latest .NET version can be found here: https://www.microsoft.com/net/download/framework



7.3 Configuration Settings Fail to Write

<u>Symptom</u>: Unable to write a configuration value to an MP8000 unit (message shown below in Figure 7.3)



Figure 7.3 – Failed to Write Configuration Value

Possible Solutions:

- Check that you are writing a valid configuration value to the configuration memory. Please see the full MP8000 manual for more details on this. As a security measure, the program will restart if an attempt is made to write an incorrect value to the configuration memory.