

## ***MPT Electric Fire Pump Controller with MTS***

### ***Software Update via USB Memory Stick***

This manual provides instructions for updating the Metron MPT Electric Fire Pump Controllers software via a USB Memory Stick.

<b>Section</b>	<b>Page</b>
Introduction	3
Precautions	3
Installation Process	4
Replacement Parts & Technical Support	8



*History of Changes*

<b>Rev. No.</b>	<b>Date</b>	<b>Description of Changes</b>
A	August 2016	Initial Release

## Introduction

This manual provides instructions for updating the MPT Electric Fire Pump Controller software via a USB Memory stick.

For instructions on navigating the Operator Interface Device (OID) please refer to Publication 245, *MPT Electric Fire Pump Controller with MTS Setup and Operating Instructions*.

---

**NOTICE** The fire pump controller will be offline during the software update process, including the manual start. In the event of an emergency, use the Emergency Start handle to start the motor.

---

---

**NOTICE** Read these instructions thoroughly before installing and operating the controller. If there are still questions, contact your Metron factory representative for assistance.

---

## Precautions

---

**CAUTION** To avoid risk of **SERIOUS INJURY or DEATH**, and to avoid damage to the controller, **READ THIS SECTION CAREFULLY**. If questions or concerns still exist, contact the Metron factory for further clarification.



---

If work must be carried out on the motor or controller, ensure the controller is **ISOLATED AND LOCKED OFF** from the AC mains supply before work commences. Lockout/Tag out procedures should be followed in accordance with NFPA standard and any local standards that may apply.

During installation and maintenance, to prevent automatic starting of the motor press and hold the **STOP** key. The system will be in a configuration mode and will not start the motor. Configuration mode will last for five (5) minutes, unless the on-screen "Exit Config Mode" button is pressed.

## Installation Process

---

**NOTICE** Remote alarms may occur during the installation process. Notify your alarm company prior to performing the installation.

---

**NOTICE** The genset may start during the installation process. To prevent the genset from starting, open the Emergency Source Isolation Switch prior to performing the installation.

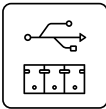
---

To update the software on your MPT Fire Pump Controller via a USB memory stick follow these steps:

1. Contact Metron Technical Support to get a copy of the latest software. The file will be emailed to you and is typically named “MPT.HEX”.
2. Once the file is received, copy it the root drive of a USB memory stick. **Note:** the drive does not have to be empty; just have enough space for the file.
3. Plug the USB memory stick into the USB port on the door of the MPT Fire Pump Controller cabinet.
4. On the OID, press the **MENU** key.



5. On the touchscreen, press the “Devices” icon.



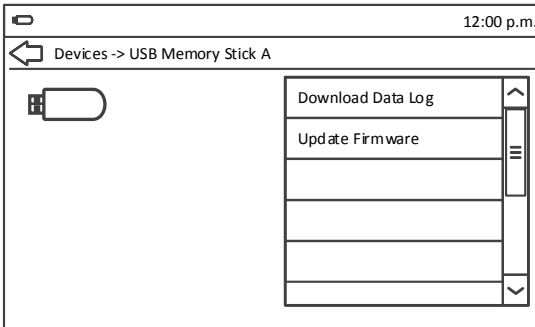
Devices

6. Followed by the “USB Memory Stick A” icon.

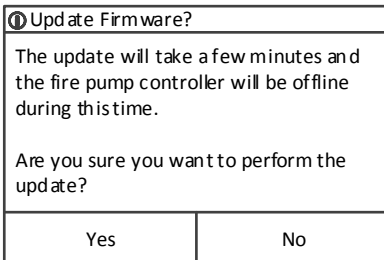


USB Memory  
Stick A

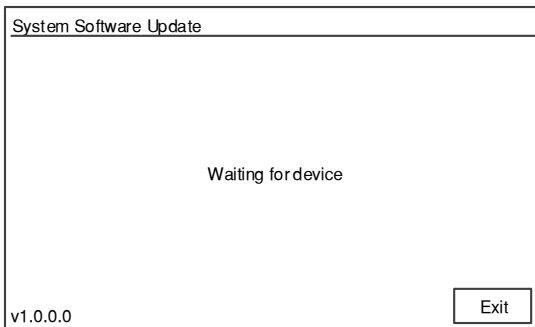
7. On the USB Memory Stick A screen, touch “Update Firmware”.



8. Enter the User Password, if prompted.
9. A confirmation message will be displayed. Touch “Yes” to proceed with the update. The system will reboot to Reprogramming Mode.



10. After the reboot, the screen may momentarily display “Waiting for Device” while the USB Memory Stick is detected.

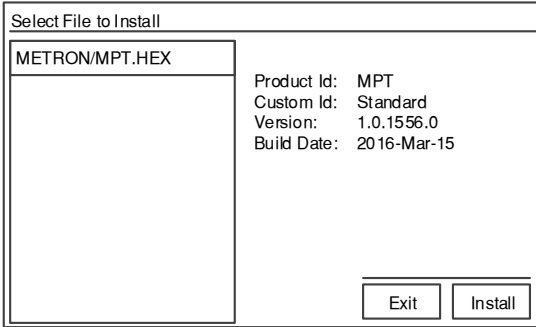


**Important:** If you receive a USB error message, try using a different USB memory stick.

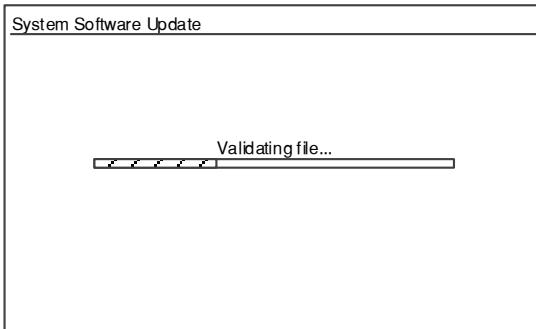
**Important:** If you receive the “No installation files found” message,

verify that the MPT.HEX file was copied to the root drive of the USB memory stick.

11. When the USB memory stick is detected, the File Select screen will be displayed.



12. Touch the “Install” button to begin the installation process.
13. During installation, the progress screen will be displayed.



**Note:** Installation may take a few minutes.

14. After installation is complete, the system will reboot and the MPT Electric Fire Pump Controller Automatic Mode will resume.

## Post Installation Test Procedures

After installation, the following system tests should be performed, as a minimum, to verify functionality.

### Automatic Pressure Start

1. Beed off the system pressure until it drops below the Start Pressure set point.
2. The automatic start process should begin. Once the pump begins running, it will continue to run until:
  - a. The system pressure rises above the configured Stop Pressure and
    - i. the **STOP** key is pressed, or
    - ii. if enabled, the Minimum Run Timer expires.

### Manual Start

1. Press the **START** key to begin a manual start.
2. The pump will continue to run until the **STOP** key is pressed.

Note: pressing the **START** key while the pump is already running will disable the minimum run timer. The pump will continue to run until the **STOP** key is pressed.

### Test Transfer

To perform a test transfer:

1. Press the **MENU** key on the OID.
2. Touch the “Diagnostics & Tests” icon.
3. Touch the “Test Transfer” icon.
4. When prompted, confirm the test transfer by touching the “OK” button.
5. The controller should start the Genset and then transfer the motor to the emergency source.

## Replacement Parts

For replacement parts, contact your local Metron sales office or the Metron factory at:

United States	Telephone: +1 (336) 434-2800 ext. 202 FAX: +1 (336) 434-2809 Email: salesmail@metroninc.com
Europe	Telephone: +44 (0) 1476 516130 Email: jmcivor@metroninc.com

## Technical Support

United States	<b>For 24-hour technical support:</b> Telephone: +1 (336) 434-2800 ext. 183 Email: fpctechsupport@metroninc.com
Europe	<b>Service &amp; Commissioning</b> Telephone: +44 (0) 1476 516129 Email: wrichardson@metroninc.com  <b>Emergency Contact:</b> Telephone: +44 (0) 7730 050100

[www.metroninc.com](http://www.metroninc.com)

[www.metroneledyne.com.uk](http://www.metroneledyne.com.uk)

### **Hubbell Industrial Controls, Inc.**

Metron Fire Pump Controls Division

4301 Cheyenne Drive, Archdale NC 27263 USA, Tel: (336) 434-2800, Fax: (336) 434-2809

### **Metron Eledyne,**

*a Division of Hubbell Ltd.*

18 Autumn Park, Dysart Rd, Grantham Lincolnshire, NG31 7DD, United Kingdom

Tel: +44 (0) 1476 516120, Fax: +44 (0) 1476 516121