

Group: **Controls**

Part Number: ED 15097

Date: December 2008

Supersedes: ED 15097-3

MicroTech[®] II ServiceTools[™] for Applied Air Handling Unit Controllers Version Control and Revision History

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Revision History

ED15097-0	September 29, 2004	Preliminary release.
ED 15097-1	August 2, 2005	Added version 2.1. See Revision History for details.
ED 15097-2	July 18, 2006	Added version 2.2. See Revision History for details.
ED 15097-3	August 27, 2008	Added version 2.3. See Revision History for details.
ED 15097-4	December 19, 2008	Added version 2.4. See Revision History for details.

Software Revision

This edition documents the latest version of MicroTech II[®] ServiceTools[™] for Applied Air Handling Units for use with McQuay MicroTech II Rooftop Unit Controller or McQuay MicroTech II Self-Contained Unit Controller application software.

You can determine the revision of the application software from the keypad/display. The path for this information from the main menu is Setup\Service\Unit Configuration\AHU ID=.

Reference Documents

Company	Number	Title	Source
McQuay International	IM 797	MicroTech II ServiceTools for Applied Air Handling Unit Controllers Installation Manual	www.mcquay.com
McQuay International	ED 15078	How to Install McQuay ServiceTools for MicroTech II Applied Air Handler Unit Controllers and Johnson Controls M-Tool on the Same Computer	www.mcquay.com

Notice

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Limited Warranty

Consult your local McQuay Representative for warranty details. Refer to Form 933-430285Y. To find your local McQuay Representative, go to www.mcquay.com.

Introduction

This document contains the information necessary to determine which versions of MicroTech II ServiceTools for Applied Air Handling Units (ServiceTools for AAHU) are compatible with the version of Applied Air Handling firmware in your MicroTech II Rooftop or Self-contained unit. A revision history provides detailed information about the changes made to each version of the software.

ServiceTools for AAHU Version Control

Determining Compatibility of Software and Firmware

Two Types of ServiceTools for AAHU Software Installs

There are two types of installs available for ServiceTools for AAHU software.

1. The full tool is available on CD for new users. The software provided on CD can also be a required update in response to significant firmware changes or upgrade features to the ServiceTools for AAHU software. The full tool CD is available for purchase through McQuayTools. An existing ServiceTools for AAHU license holder will be required to purchase a new tool only if the user desires the enhancements in the new tool that are not available in a free upgrade.
2. Free update files are available at no charge to existing ServiceTools for AAHU license holders from McQuay's public and private websites: www.mcquay.com or www.mcquaybiz.com. Free update files typically include minor HTML and graphics changes that enhance existing interface and /or are required in order to communicate with the unit controller software and/or firmware in newer Rooftop and Self-contained units. You should periodically check for updates.

Applied Air Handling Firmware and ServiceTools for AAHU Compatibility

The Applied Air Handling firmware is the interface between Rooftop Unit and Self-Contained Unit Controllers (RTU/SCU) application software and the hardware. The firmware is periodically updated in response to corrections or software improvements. The firmware version must be compatible with the ServiceTools for AAHU version so that both can function properly.

The following table summarizes the ServiceTools for AAHU full tool CD, the ServiceTools for AAHU free updates, and the RTU/SCU firmware versions. The checkboxes indicate which version of the full tool must be installed for both the free updates and firmware versions to function correctly. For example, the full tool version 1.2 is compatible with free update versions 1.4 and 2.0. Additionally, ServiceTools for AAHU version 1.2 or later is compatible with RTU/SCU firmware version 5.3. The shading indicates old versions of the software and firmware that are no longer supported by McQuay International.

Table 1. Compatibility among ServiceTools for AAHU Software and RTU/SCU Firmware

		ServiceTools for AAHU-Full Tool CD Version		
		1.0	1.2	2.0
ServiceTools for AAHU-Free Update Version	1.1	4		
	1.2		4	
	1.3		4	
	1.4		4	
	2.0		4	
	2.1		4	4
	2.2		4	4
	2.3		4	4
	2.4		4	4
RTU/SCU Firmware Compatibility		< 5.3	5.3	5.3

How to determine the Version of ServiceTools for AAHU

It is possible to have up to two installs of the ServiceTools for AAHU software loaded on your PC. You may have the full tool (without the free update to HTML screens) or the full tool and the free update files installed.

To determine the version of the full tool installed on your PC:

- Open the ServiceTools for AAHU software.
- View the splash screen. The version number of the full tool appears on the screen. This version indicates the last CD that has been installed.

To determine the version of the free update files (i.e., HTML screens) installed on your PC:

- Open the ServiceTools for AAHU software.
- Choose SCU or RTU and view the tabs across the top of the screen.

ServiceTools for AAHU Revision History

Version 2.4 - Free Update Files

Summary

Version 2.4 is available on McQuayBiz.com and McQuay.com as a free update for existing license holders. This version includes updates to HTML screens (see below). It is recommended that you download version 2.4 if you have version 2.3 and/or meet the firmware compatibility requirements defined below.

Upgrade

- Corrects an error identified in ServiceTools version 2.3 that required firmware to be downloaded each time the standard code was needed.
- It is no longer necessary to download firmware files with each standard code update.

Note: In order to download standard code series 200, verify that the C:\MicroTech II Standard file folder on your hard drive contains code 100 and 200 series. If standard code series 300 is required for download, all three series (100, 200 and 300) must be in the C:\MicroTech II Standard file folder.

Firmware Compatibility

Version 2.4 is designed for use with RTU/SCU version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 2.0 or later. If you wish to download version 2.4, you must install ServiceTools for AAHU version 2.0 first.

Version 2.3 - Free Update Files

Summary

Version 2.3 is available on McQuayBiz.com and McQuay.com as a free update for existing license holders. This version includes updates to HTML screens (see below).

Upgrades

- Added functionality to allow manual configuration of an evaporative condensing unit (Rooftop only).
- Corrected the condenser fan 3 default setpoint (RPS 030 only).
- Added a check box to confirm the version of firmware to be downloaded to the unit controller.
- Added new fan setpoints for the refrigerant option R-410A. Choosing any one of the new setpoints automatically downloads 300 Series code (Rooftop only).

Firmware Compatibility

Version 2.3 is designed for use with version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 1.2 or later. If you wish to download version 2.1, you must install ServiceTools for AAHU version 1.2 first.

Version 2.2 - Free Update Files

Summary

Version 2.2 is available on McQuayBiz.com and McQuay.com as a free update for existing license holders. This version includes updates to HTML screens (see below).

Upgrades

- Added functionality on the Download page to automatically set the cooling method (standard, water cooled or air cooled), attribute number 63188, after a download based on position 14 of the configuration string. (2-Circuit Air-Cooled Self-Contained Condensing Units Only)
- Removed BLDG option for the second static pressure sensor on the Download and Confirm Download pages. (Self-Contained Only)
- Removed t_progress and s_progress variables. (Rooftop & Self-Contained)
- Increased download timers due to XP downloading errors reported in the field. McQuay tested all operating systems successfully. However, McQuay was unable to duplicate the original problem experienced in the field. (Rooftop & Self-Contained)

Firmware Compatibility

Version 2.2 is designed for use with version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 1.2 or later. If you wish to download version 2.1, you must install ServiceTools for AAHU version 1.2 first.

Version 2.1 - Free Update Files

Summary

Version 2.1 is available on McQuayBiz.com and McQuay.com as a free update for existing license holders. This version includes updates to HTML screens (see below). A new version of the User's Manual, UM734-4, is posted on McQuay.com and McQuayBiz.com and documents the changes made to the download screen.

Upgrades

- Included logic to support the new two-circuit Self Contained Application Software Code (P/N 2506030300). ServiceTools for AAHU version 2.1 is required for downloading this software! (Self Contained Only)
- Decreased download time by several minutes. (Rooftop/Self Contained)
- Removed the Configure Only download type. This feature is unnecessary because the application now has a single keypad. A manual download can still be performed for downloading older versions of code that have multiple keypads. (Rooftop/Self Contained)
- Removed RAF Fan Cap Control Method and RAF Fan Cap Control Method from the Download. (Self Contained Only)
- Added new defaults during download for fan setpoints: applies to 80, 90, and 105 sizes with scroll compressors. (Rooftop Only)
- Added Pumpdown Warnings to the Alarm Screen. These alarms have been switched from "Problem" to "Warning" type in Rooftop Application Software, 2506010149.
- Corrected Clg Zero OAT limits on the Schedule Screen. It was being limited between 0-1, but now is limited between 60-140. (Self Contained Only)

Firmware Compatibility

Version 2.1 is designed for use with version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 1.2 or later. If you wish to download version 2.1, you must install ServiceTools for AAHU version 1.2 first.

Version 2.0 - Full Tool and Free Update

Summary

Version 2.0 was released 1) as a full tool for purchase by new users or 2) as free update files for free download for existing license holders. This document, ED 15097, was posted on McQuayBiz.com and McQuay.com to provide detailed information about software compatibility and revision history. Installation Manuals for Communication Modules (IM 702, IM 703 and IM 704) were also included on the full tool CD.

1. Full Tool Includes:

- Microsoft Windows® XP Professional compatibility.
- Increased compatibility with JCI M-Tool.
- HTML and graphic changes as listed below.

2. Free Update Files Include:

The free version 2.0 update files available on McQuayBiz.com and McQuay.com included minor HTML and graphic changes (see below). It is not the entire tool and is not XP compatible. Version 2.0 should be installed only on PCs that have already upgraded to version 1.2 or higher.

- Legal warning message added before the download. (Rooftop/Self Contained)
- Added the Energy Recovery Table to the Temperature Setup Page. (Rooftop only)
- Added the Evaporator Condenser and Energy Recovery Tables to the Temperatures page. (Rooftop only)
- Added Design Flow Yes/No to the Outdoor Air page. (Rooftop only)
- Defaulted the Firmware checkbox for Downloading Specials to checked. (Rooftop/Self Contained)
- Changed Bypass Time verbiage to Tenant Override. (Rooftop only)
- Added the Exhaust Fan Setup table to the Airflow Setup page. (Rooftop only)

Firmware Compatibility

Version 2.0 is designed for use with version 5.3 firmware. McQuay International currently supports downloading application software with firmware version 5.3 only.

Version 1.4 - Free Update Files

Summary

Version 1.4 was available through McQuayBiz.com and McQuay.com as a free update. Only the HTML screens were updated (see below). A new Installation Manual, IM 797, is posted on McQuay.com and McQuayBiz.com and describes how users can access ServiceTools and application software.

Upgrades

- Added Evaporator Condenser Type to Item 6 of the configuration string. Modified read 22 to display Fan Type instead of Condenser Fan Outputs in the download.txt file. (Rooftop only)
- Improved Heat Type display on the Download page to set to proper heat type. Heat Type always defaulted to ohms (2-wire) for certain heat types. (Rooftop only)
- Modified the download to include a checkbox that required selection if downloading old 200 series code. If not selected, the 100 series code was downloaded even when configured for 6/6. (Rooftop only)
- Included updated literature. (Rooftop/Self Contained)
- Improved several version 1.2 download issues. (Rooftop/Self-Contained Version 1.1)

Firmware Compatibility

Version 1.4 was designed for use with version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 1.2 or later. Version 1.2 must be installed first if trying to install version 1.4.

Version 1.3

Summary

Version 1.3 was not officially released to the field. Version 1.3 updates were provided on a limited basis as an upgrade for certain issues on an as-needed basis.

Upgrades

- Improved the Configure Only Download by adding an archive after the device name was changed and before performing a cold boot. Without the archive, the controller had half of the objects with one device name and half the objects with another. (Rooftop/Self-Contained)
- Improved the Download and Configure when "Couldn't Write Device Name" errors were occurring after the download. This was corrected by resetting the site manager after changing the device name. (Rooftop/Self-Contained)
- Improved the Internet Explorer message "SysStatus Not Found" being displayed after a special download. (Rooftop/Self-Contained)
- Modified writing of the configuration string so that Low Ambient is set according to the configuration string. (Rooftop only)

Firmware Compatibility

Version 1.3 was designed for use with version 5.3 firmware. This upgrade should be installed only on PCs with ServiceTools for AAHU version 1.2 or later. Version 1.2 must be downloaded first before installing version 1.3.

Version 1.2 - Full Tool

Summary

A new installation CD was created for the full tool that includes both the Rooftop Unit and Self-Contained Unit ServiceTools (ServiceTools for AAHU). All previous orders were replaced with new CDs. Version 1.2 CDs were sent to anyone who had previously purchased the tool.

Upgrades

- Added a new warning statement to the installation screen regarding JCI M-Tool.
- Improved several issues related to downloading the software.

Firmware Compatibility

Version 1.2 was designed for use with version 5.3 firmware and included new OCX controls and other files compiled specifically for this firmware version.

Version 1.1

Summary

Version 1.1 was not officially released to the field. Version 1.1 updates were provided on a limited basis to improve several issues on an as-needed basis.

Upgrades

- Modified the download page so that the three portions of the firmware were only downloaded if needed when doing a “Download & Configure.”
- Modified the order of firmware download in response to version 5.2 firmware requirements.
- Improved tool lock-up after performing a manual download.
- Improved tool lock-up after connection to Self-Contained controller.
- Added FanTrol™ setpoints for units with scroll compressors and R22 & R407C.

Firmware Compatibility

Version 1.1 was designed for use with software prior to 5.3 firmware.

Version 1.0

Initial release.

This document contains the most current product information as of this printing. For the most up-to-date product information, please go to www.mcquay.com.



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