Micro Control Systems APPLICATION NOTE APP-091

MCS-Connect

Extended History Saving on an MCS-Touch-PC

Revision History

Date

Description

03/28/2014 Will Powell 03/31/2014 Ray Jaramillo 04/04/2014 Will Powell 04/14/2014 Will Powell

Author

Created Application Note Added Comments for revisions Added Lock/Relock Instructions Minor grammatical changes

Extended History Saving Overview



The MCS-Touch is capable of saving Offline History Files containing detailed operational data when connected to the MCS-Magnum or MicroMag. Extended History Saving can be set to active when the MCS-Touch is in idle mode and will create a new history file for every 16 minutes of operation.

The Extended History Saving feature is ideal for troubleshooting and general operation monitoring purposes.

Configuring the History Saving Interval

- Begin by unlocking the MCS-Touch-PC. Navigate to the "C:\MCS" folder on the touchscreen. Double-click the unlock.bat file. A command line window will briefly open and execute the command. Close the command line window, restart the touchscreen, and upon restart the touchscreen will be "unlocked" and any changes made will persist.
- 2. Make sure that the History Saving interval is configured for 1 second. To do this, first ensure that the Touch-screen is unlocked and ready to accept changes. Next, select your connection type from the Main User Interface.

MCS-Connect 14.01F			×
File Setup Load a Graph File H	lp		
	Local Connec	tions	
Local	Serial	Local-Ethernet	
	Remote Conne	ections	
Site Name			
New Site	•	Remote /Connect	
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3. Access your authorization level by clicking on the red '**View Only**' button indicating your current access level (as shown below) and enter your authorization code. Access your site by clicking on its Site Info Tab.

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File Setup Load a Graph File Reset/Clean	Workspace View H	letp			-				
Disconnect	Scan	Grat	h Transmit	Cfg Receive Cfg	View Only	Edit Time	Print	Graphics	Marms
Site Info 1 - SI32_RO20 OVEN	1 - VFD CHILLER	1 - SI32 TEST 1 - TSU	EastChiller 1 - TacomaArt	Museum 1 - Flint'sHVAC-V	11 1 - Hurdy Memorial	T - SI32 TEST 1 - Sunyl	Bing CH#1 1 - BUILDIN	IG 8 1 - FRONTIER CHL#3	1 - ERU-5
Address	HW Serial #	Cfg Name	Company Name	Unit Model #	Unit Serial #	Installed Date	Cfg Vers.	SW Vers.	Cfg Date
192.168.10.107 (1)	008836	SI32_RO20 OVEN	MCS	LCWX1-0470ETV	1.00 14.01T1 Rev1.00	03/26/2014	14	HVAC 14.03K1	03/28/2014
192.168.10.121 (1)	006941	SI32 TEST	MCS	LCWAI-0470FTV	1.00	03/26/2014	14	HVAC 14.05-B	03/26/2014
192.168.10.129 (1)	001330	TSU EastChiller 8132	TEST ENTECH SALES	TRANE CVHF049M	JAT CENT 9.10V	09/10/2012	11	CENT 09.11-F	03/27/2014
192.168.10.235 (1)	004378	Flint'sHVAC-V11	MicroControlSys	123456789101112	121110987654321	05/13/2010	11	HVAC 09.13-W	02/18/2014
192.168.10.254 (1)	008102	Sturdy Memorial	EMCOR	CARRIER 19XL #1	DJB CENT 14.03G	03/07/2014	14	CENT 14.02-X	03/28/2014
192.168.10.122(1) 192.168.10.101(1)	006943	SunyBing CH#1	AAON Inc.	LL180-3-0-BB0A	BABR00458	01/14/2014	14	HVAC 09.03-B	03/28/2014
192.168.10.124 (1)	004292	BUILDING 8	DB SALES	PUMPS/CHILLER	JAT HVAC 9.12R	05/19/2013	11	HVAC 09.14-C	03/06/2014
192.168.10.135 (1) 192.168.10.145 (1)	002528	ERU-S	AAON- MCPS Watk	RN-026-3-0-EA09	BNWS03276	06/19/2013	14	RTUM 14.02-X	03/03/2014
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4. After loading your site, click **GRAPH**. In the process of loading your site's graph, the process of History Pullback will begin. Click the **'Stop History Pullback'** button to exit the History Pullback process.



5. Change the **Seconds History Interval** to '1', click 'Save Selected' to save this new interval. Exit the window and then click the Disconnect button to exit back to the Main User Interface.

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M- 6	Chir40Airm(ul)					1				1 1					
M- 7	PMP 1 STAT(ul)														
M- 8	PMP 1 ALM (ul)			· · · · · · · · · · · · · · · · · · ·											
M- 9	Chir41Airm(ul)														
M-10	ALARM		-								1 1	a 1	1. 1.	1 1	
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M-11	MP2 ALARM	DI		Cancel	0										
M-12	3MS R/S	DI		<u>1</u>		0 5 0 11									
M-13	CHW FLOW	DI	-			6 0 12						-			
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<u>Creating an Extended History File Save Location on a</u> <u>USB Flash Drive</u>

1. Begin by plugging a USB Flash Drive into the USB port of the MCS-Touch.

2. Open MCS-Connect on the MCS-Touch and click on the 'Setup' menu at the top of the screen. Click on the 'Options' menu item under the Setup menu.

Options		Least Course	
Create Sc	cheduled Print	Local Connec	ctions
	Local-Seria	al	Local-Ethernet
			ections
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3. Click **the 'History File Setup'** tab to enter the History File Setup Screen. Select the **'Enable Extended History Save'** option to activate Extended History Saving.

ommunications General Options Network	k History File Setup Er	ror Log Options Alarm Auto-Print Setup
Enable Extended History	Save	O Disable Extended History Save
	File Location Selection	
Select Save Location		

4. Click **'Select Save Location'** and navigate to the drive of the USB. After navigating to the desired drive/directory of the History Saving File, click **'OK'** to exit the Select Save Location. Click the **'Save'** button at the bottom of the Setup Screen and exit the Setup window.

MCS-PC Connect Communication Setup Sc Communications General Options © Enable Extended i	Network Mistory File Setup Error Lo Alstory Save	og Options Alarm Auto-Print Setup Disable Extended History Save		
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ок	Save	Cancel	Folder name: S:1 Files of Type:	
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5. Re-lock the MCS-Touch PC by first navigating to the "C:\MCS" folder on the touchscreen. Double-click the **lock.bat file**. A command line window will briefly open and execute the command. Close the command line window, restart the touchscreen and upon restart the touchscreen will be "locked" and any change made will NOT persist.

6. If you aren't already connected to the controller, connect to your site via the main MCS-Connect window. From the Site Info Window, click on the Graphics button and allow MCS-Connect to load the Graphics Window. Once the screen saver starts, MCS-Connect will begin to store the history data until it has a complete history file and then will write the file to the location selected with a time and date stamp.

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File Setup Load a Graph File Res	set/Clear Workspace View I	Help		243			/		
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Site Info 1 - PAO SYSTEM	I GD 1 - ERU-5 1 - Stu	rdy Memorial 1 - VFD CHIL	LER 1 - Flint'sHVAC-V11	1 - FENDER GUITAR	1 - RTU-1 Rev-L 1 - SI32_	RO20 OVEN 1 - BUILDING	8 1 - SI32 TEST	1 - TacomaArtMuseum 1	- SI32 TEST
Address	HW Serial #	Cfg Name	Company Name	Unit Model #	Unit Serial #	Installed Date	Cfg Vers.	SW Vers.	Cfg Date
192.168.10.126 (1)	006943	PAO SYSTEM GD	Controlled Air	GROUND SERVICE	Unit #2	09/16/2010	14	PAO 14.05CG	04/04/2014
192.168.10.145 (1)	002528	ERU-5	AAON- MCPS Watk	RN-026-3-0-EA09	BNWS03276	06/19/2013	14	RTUM 14.01-U	04/03/2014
192.168.10.254 (1)	008102	Sturdy Memorial	EMCOR	CARRIER 19XL #1	DJB CENT 14.03G	03/07/2014	14	CENT 14.02-X	03/28/2014
192.168.10.132 (1)	005370	VFD CHILLER	BSL	LCWX1-0470FIV	14.01T1 Rev1.00	08/28/2013	14	HVAC 14.04-B	03/06/2014
192.168.10.235 (1)	004378	Flint'sHVAC-V11	MicroControlSys	123456789101112	121110987654321	05/13/2010	11	HVAC 09.13-W	02/18/2014
192.168.10.129 (1)	001330	FENDER GUITAR	ONTARIO REF.	23XL CHILLER A	HVAC 8.06-A1	04/02/2014	11	HVAC 09.13-X	04/03/2014
192.168.10.245 (1)	004701	RTU-1 Rev-L	AAON	RL-230-3-0-8B2Z	BLWW00287	05/02/2013	14	RTUM 14.04-B	03/14/2014
192.168.10.107 (1)	008836	SI32_RO20 OVEN	MCS		1.00	03/26/2014	14	HVAC 14.03K1	03/31/2014
192.168.10.124 (1)	004292	BUILDING 8	DB SALES	PUMPS/CHILLER	JAT HVAC 9.12R	05/19/2013	11	HVAC 09.14-C	03/06/2014
192.168.10.121 (1)	006941	SI32 TEST	MCS		1.00	03/26/2014	14	HVAC 14.05-B	03/26/2014
192.168.10.134 (1)	000419	TacomaArtMuseum	MUNTERS	HUMIDEK UNIT A	0001	03/28/2014	14	HVAC 14.03-G	03/28/2014
192.168.10.122 (1)	006/44	SI32 TEST	MCS		1.00	03/26/2014	11	HVAC 09.03-B	03/26/2014
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