HUSSMAnn®



CoreLink™

Self Test Manual

IMPORTANT

Keep with controller for

future reference!

MANUAL- CORELINK CASE CONTROLLER

Operation Manual

Setting up your test:

Access the CoreLink self test from the WebUI diagnosis dropdown at the top of the page.



Self test option in Diagnosis dropdown





NOTE: The Web UI self test should be used only in Google Chrome or Firefox

The self test interface shows the controller information: Case model, application version, and BIOS version. Verify that the controller info is correct before running the self test. To run a self test, either select a test preset or select individual tests to be run as a custom self test.

Presets:

There are three testing presets available from the Test Presets dropdown. These presets select individual tests to be run for specific purposes.

- Factory
- Lidl Factory
- Field
- Custom*

*If you select a preset and change one of the settings, the preset will show: Custom

As part of configuring the CoreLink for a case, the case type is set from the System tab of the WebUI. This does not have any effect on how the self test runs.

Running a test:

Do the following to run a self test with a preset or specific tests selected:

- Set Selected Test to preferred test
- Enter your name
- · Verify the controller information
- Press START and begin test

Running Factory test:

- 1) Select "Factory" from the preset dropdown
- 2) Enter your name into the "Name" field
- 3) Click START to begin the test
- 4) Recommended: Select EXPORT TEST REPORT to get a csv file containing the results that can be viewed in excel



Self Tests Performed:



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Application:

Fan Test- During the Fan Test, test operator confirms the Fans turn on/off when prompted.

Application



Light Test- During the Light Test, test operator confirms the Lights turn on/off when prompted.



Temp Probe Location Test- During the temp probe location test, the self test will prompt you to spray cold/hot air on each temp sensor. This will not timeout, the test will wait here until the sensor is sprayed, or test is manually failed/skipped. This step is the only part of the self test that will prompt a user input.

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Temp Probe Location Test
Runtime: ~5 minutes

Log

- · Finding connected temp sensors
- Please spray cold/hot air on Discharge Air 1
- Temperature change detected on Discharge Air 1
- Please spray cold/hot air on Discharge Air 2
- Temperature change detected on Discharge Air 2
- Please spray cold/hot air on Discharge Air 3
- Temperature change detected on Discharge Air 3
- · Please spray cold/hot air on Return Air 1



Variables

- Discharge Air 1: 17.7°F
- Discharge Air 2: 23.9°F
- Discharge Air 3: 19°F
- Return Air 1: 24.5°F

Compressor Test- During the Compressor Test, test operator confirms the Compressors turn on/off when prompted.



PWM Valve Test- During the PWM Valve Test, test operator confirms the valves turn on/off when prompted. Repeat steps for all configured valves



EEV Test- During the EEV Test, test operator confirms the valves turn on/off when prompted. Repeat steps for all configured valves



Note – PWM Valve Test and Defrost Heater test are only available with CoreLink application 2.6.0 and Web application 1.9.0.

Defrost Heater Test- During the Defrost

Heater Test, test operator confirms the

heater is wired correctly.

CoreLink automatically detects and enables/disables the PWM or EEV test depending on the configurations.

Results:

After completion of the test, results can be viewed online or in an exported file.

- Export Test Report will create a csv file containing all test results
- Reset will take you back to the self test page ready to start another test

8	Self Test	Controller Information		
	Self Test History	Case Model: ID5SM Application Version: 2.6.0 Bios Version: 2019050800		
		Configuration	Passed: 3 Failed: 1	~
		1/0	Passed: 3 Skipped: 1	~
		Application	Passed: 6 Skipped: 2	~
		Service	Failed: 1	~
		Date and Tim	ne Test	
		Runtime: ~1 sec	ond	
		Log		
		Getting Core Corelink Da Time differe Tott foiled	elink Date/Time te/Time: 11/6/2019, 7:59:43 AM <mark>ence: ~1 hour</mark>	
		• Test falled		
		Troubleshoo	ting	
		rest failed Troubleshoo · Set the time SYNC TIME	ting :/date on the controller to the correct time	
		• Test Tailed Troubleshoo • Set the time SYNC TIME Syncs the time on the controller with t	ting :/date on the controller to the correct time he time on this device	

Self Test results explained:

	А	В	С	D	E	F	G
1	Test Name	Group	Time Comp	Test Passed	Log	Troublesho	ooting
2	Conf Files	Configurati	7/30/2019,	SKIPPED	Case	Verify	
3	Date and T	Configurati	7/30/2019,	TRUE	Getting		
4	Distributec	Configurati	7/30/2019,	TRUE	Checking		
5	Pressure So	Configurati	7/30/2019,	TRUE	Getting		
6	Corelink Pr	I/O	7/30/2019,	TRUE	Checking		
7	Valve Drive	I/O	7/30/2019,	FALSE	Checking	Verify the	
8	Valve Drive	I/O	7/30/2019,	TRUE	Getting		
9	Compresso	I/O	7/30/2019,	SKIPPED	Checking		
10	Fan Test	Applicatior	7/30/2019,	TRUE	Checking		
11	Light Test	Applicatior	7/30/2019,	TRUE	Checking		
12	Temp Prob	Applicatior	7/30/2019,	SKIPPED	Finding		
13	Compresso	Applicatior	7/30/2019,	SKIPPED	Checking	This test	
14	EEV Test	Applicatior	7/30/2019,	FALSE	Valve	Check the	Valve Drive

Column A: Test name. Which part of the test that was completed Column B: Group. What type of test it was

Column C: Time completed. This is the time when this particular test was completed

Column D: Test Passed. This column indicates if this part of the test passed or failed. If the portion of the test was skipped, it will also be indicated here

Column E: Log. Shows information logged during the test

Column F: Troubleshooting. Here are suggested troubleshooting steps given for failed parts of the test

Running Factory test:

- 1) Select "Factory" from the preset dropdown
- 2) Enter your name into the "Name" field
- 3) Click START to begin the test
- 4) Recommended: Select EXPORT TEST REPORT to get a csv file containing the results that can be viewed in excel

Troubleshooting with Self Test:

Test Name	Troubleshooting Step				
Configuration					
Conf Files	CoreLink may need to be factory reset				
Date and Time	Sync controller system time in We UI				
Distributed Zones	Verify Number of Distributed Zones setting under System in Web UI				
Pressure Scaling	 Verify Pressure scaling setting under I/O -> HSVDxx 				
Application					
Compressor	 Swapped compressor inputs Missing: compressor connections wrong/not present 				
Temp Probe Location	Probes are swapped				
Light	Lightbulb burned out				
Stepper/Pulse Valve	Check EEV wiringCheck SSR wiring				
Fans	Check Fan wiring				
Heater	Check Heater wiring				
Night Curtain	Refer to Night Curtain setup procedure internal document				
I/O					
CoreLink probe	Check probe connection				
Valve Driver Connection	Check valve driver connection				
Valve Driver Probe	Check valve driver probe connection				
Compressor Safety Switch	Check pressure switch wiring				
Service					
Saturation Temp	First check setpoint setting				