

S3C Case Controller Site Functional Performance Test

Store Number:

Case ID:

Use checkbox along left side (✓ denotes test passed)

STEP 1 – CONNECT DISPLAY CASE TO THE APP		
Expected Results		If expected results are not seen
<input type="checkbox"/>	Wireless icon on Display Module starts flashing, then goes solid when app connects	Ensure Display Module is powered on and retry holding Down Arrow button for 5 seconds
STEP 2 – SENSORS		
Expected Results		If expected results are not seen
<input type="checkbox"/>	Increase or Decrease in DAT/RAT Sensor Reading	Check wiring on sensor and ensure sensor is landed in correct location
STEP 3 – SETTINGS		
Expected Results		If expected results are not seen
<input type="checkbox"/>	Settings match store drawings and cutsheet	Check with customer or OEM for updates
STEP 4 – DEFROST		
Expected Results		If expected results are not seen
<input type="checkbox"/>	All Cases on circuit go into defrost	Check communication wires between the case controllers Ensure that all cases are addressed correctly and in the correct location
<input type="checkbox"/>	Display Module shows <i>dEF</i> and LEDs turn purple	Check connection to the display
<input type="checkbox"/>	Slow increase on SP	Check wiring on pressure transducer and ensure sensor is installed and landed in correct location Check to ensure that all valves are operating correctly (EEV, LLSV, EEPR)
<input type="checkbox"/>	Slow increase on COT	Check wiring on COT sensor and ensure sensor is installed and landed in correct location Check to ensure that all valves are operating correctly (EEV, LLSV, EEPR)
<input type="checkbox"/>	Slow increase on DAT/RAT	Check wiring on DAT/RAT sensor and ensure sensor is installed and landed in correct location Check to ensure that all valves are operating correctly (EEV, LLSV, EEPR)
<input type="checkbox"/>	EEPR should close (verify through app)	Make sure that the app is connected and updating Ensure that EEPR is installed, wired and landed correctly
<input type="checkbox"/>	EEVs should close (verify through app)	Make sure that the app is connected and updating Ensure that EEV is installed, wired and landed correctly Check valve operation with the SMA-12
<input type="checkbox"/>	Solenoid should close (verify through app)	Make sure that the app is connected and updating Ensure that Solenoid is installed, wired and landed correctly
<input type="checkbox"/>	Control State should show "Refrigeration"	Make sure that the app is connected and updating
For Off-Time Defrost		
<input type="checkbox"/>	Fans should stay on during defrost	Check Defrost Type setting in the controller
For Electric Defrost		
<input type="checkbox"/>	Fans should turn off during defrost	Check Defrost Type setting in the controller Check with manufacturer on proper fan operation during defrost Check Fan wiring at the case controller
<input type="checkbox"/>	Defrost Heater turns on and Amperage matches case cutsheet values	Check defrost heater wiring Check defrost breaker at panel and/or controller box

Store Number:

Case ID:

Use checkbox along left side (✓ denotes test passed)

STEP 5 – OVERRIDE SOLENOID AND EEPR

Expected Results		If expected results are not seen
	The solenoid should close	Ensure the solenoid is wired correctly and is landed in the correct location
		Check the solenoid fuse located on the case controller board under the enclosure
	SP should drop to rack suction	Ensure the Solenoid is closed
		Ensure the pressure transducer is wired and landed correctly
	SH should increase	Ensure the Solenoid is closed
		Ensure the pressure transducer is wired and landed correctly
		Ensure the pressure transducer is reading accurately
	COT should increase	Ensure the Solenoid is closed
		Ensure the temperature sensor is installed, wired and landed correctly

STEP 6 – CLOSE EEPR AND DISABLE OVERRIDE TO SOLENOID

Expected Results		If expected results are not seen
	EEPR should close	Ensure the EEPR installed, wired and landed correctly
		Check valve operation with the SMA-12
	SP should increase	Ensure the EEPR is closed
		Ensure the pressure transducer is wired and landed correctly

STEP 7 – CLOSE ALL EEVS AND OPEN EEPR

Expected Results		If expected results are not seen
	EEVs should close (verify through app)	Make sure the app is connected and updating
		Ensure the EEV is installed, wired and landed correctly
		Check valve operation with the SMA-12
	SH should increase	Ensure the EEV(s) is closed
		Ensure the pressure transducer is wired and landed correctly
		Ensure the pressure transducer is reading accurately
	COT should increase	Ensure the Solenoid is open
		Ensure the temperature sensor is installed, wired and landed correctly

STEP 8 – VERIFY EEV OPERATION AND SENSOR WIRING

Expected Results		If expected results are not seen
	SH should decrease on the individual coil	Ensure the EEV is open
		Ensure the pressure transducer is wired and landed correctly
		Ensure the pressure transducer is reading accurately
	COT should decrease	Ensure the Solenoid is open
		Ensure the temperature sensor is installed, wired and landed correctly

STEP 9 – REMOVE ALL OVERRIDES

Expected Results		If expected results are not seen
	DAT should be within a 2°F dead band	Ensure the temperature sensor is installed, wired and landed in the correct location
	SH should be within a 3°F dead band	Ensure the pressure transducer is wired and landed correctly
		Ensure the pressure transducer is reading accurately