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VCCX2 Controller - Configuration & Setpoints Worksheet

Filled Out By: \_\_\_\_\_ Date: \_\_\_\_\_

Job Name: \_\_\_\_\_

Job Location:
\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_

Service Contact: \_\_\_\_\_ Controls Contact : \_\_\_\_\_

Enter The Unit Tag Numbers For The HVAC Units
To Be Configured Per This Setpoint Worksheet:

Multiple horizontal lines for entering unit tag numbers.

**Configuration Screen #1**

VCCX2 Cnfg ID: 0001  
Sensor Scaling  
Fahrenheit  
Use < or > To Change

- Fahrenheit
- Celsius

Check one of the boxes above. Default is "Fahrenheit".

**Configuration Screen #2**

VCCX2 Cnfg ID: 0001  
RSM#1 Installed: NO  
RSM#2 Installed: NO  
Use < or > To Change

- |                              |                              |
|------------------------------|------------------------------|
| RSM#1                        | RSM#2                        |
| <input type="checkbox"/> NO  | <input type="checkbox"/> NO  |
| <input type="checkbox"/> YES | <input type="checkbox"/> YES |

Check one of the boxes above. Default is "NO".

**Configuration Screen #3**

VCCX2 Cnfg ID: 0001  
RSM#3 Installed: NO  
RSM#4 Installed: NO  
Use < or > To Change

- |                              |                              |
|------------------------------|------------------------------|
| RSM#3                        | RSM#4                        |
| <input type="checkbox"/> NO  | <input type="checkbox"/> NO  |
| <input type="checkbox"/> YES | <input type="checkbox"/> YES |

Check one of the boxes for each category above. Default is "NO".

**Configuration Screen #4**

VCCX2 Cnfg ID: 0001  
RSMSD Installed: NO  
RSM Type: VFD  
Use < or > To Change

- |                              |                                  |
|------------------------------|----------------------------------|
| RSMSD                        | RSM TYPE                         |
| <input type="checkbox"/> NO  | <input type="checkbox"/> VFD     |
| <input type="checkbox"/> YES | <input type="checkbox"/> DIGITAL |

Check one of the boxes for each category above. Defaults are "NO" and "VFD".

**Configuration Screen #5**

VCCX2 Cnfg ID: 0001  
EM1 Installed: NO  
12RLY Install: NO  
Use < or > To Change

- |                              |                              |
|------------------------------|------------------------------|
| EM1                          | 12 RLY                       |
| <input type="checkbox"/> NO  | <input type="checkbox"/> NO  |
| <input type="checkbox"/> YES | <input type="checkbox"/> YES |

Check one of the boxes above for each selection. Defaults are "NO".

**Configuration Screen #6**

VCCX2 Cnfg ID: 0001  
MHGRV Installed: NO  
EXP Installed: NO  
Use < or > To Change

- |                              |                              |
|------------------------------|------------------------------|
| MHGRV                        | EXP                          |
| <input type="checkbox"/> NO  | <input type="checkbox"/> NO  |
| <input type="checkbox"/> YES | <input type="checkbox"/> YES |

Check one of the boxes for each category above. Defaults are "NO".

**Configuration Screen #7**

VCCX2 Cnfg ID: 0001  
MODGS Installed: NO  
XWR#2 Installed: NO  
Use < or > To Change

- |                              |                              |
|------------------------------|------------------------------|
| MODGAS                       | XWR#2                        |
| <input type="checkbox"/> NO  | <input type="checkbox"/> NO  |
| <input type="checkbox"/> YES | <input type="checkbox"/> YES |

Check one of the boxes for each category above. Defaults are "NO".

**Configuration Screen #8**

VCCX2 Cnfg ID: 0001  
Preheat-X  
Installed: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #9**

VCCX2 Cnfg ID: 0001  
HVAC Source  
Supply Air  
Use < or > To Change

- Supply Air
- Supply Air/Tempering
- Outdoor Air
- Return Air
- Space Temperature
- Space Temperature with High % OA
- Single Zone VAV

Check one of the boxes above. Default is "Supply Air".

**Configuration Screen #10**

VCCX2 Cnfg ID: 0001  
HVAC Mode Set By  
Remote Contact: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #11**

VCCX2 Cnfg ID: 0001  
SAT Reset Source  
No Reset  
Use < or > To Change

- No Reset
- Space Temperature
- Outdoor Temperature
- Return Air Temperature
- Fan VFD Signal
- Remote Voltage

Check one of the boxes above. Default is "No Reset".

**Configuration Screen #12**

VCCX2 Cnfg ID: 0001  
Reset Interval  
Rate: 30 s  
[1 - 255 Seconds]

Enter 1 to 255 seconds above. Default is "30 Seconds".

**Configuration Screen #13**

VCCX2 Cnfg ID: 0001  
Space Sensor Type  
None  
Use < or > To Change

- None
- Analog
- E-BUS Temp/ RH
- Receive Broadcast
- Remote Sensor
- Use BACnet Temp/RH

Check one of the boxes above. Default is "None".

**Configuration Screen #14**

VCCX2 Cnfg ID: 0001  
Read Space RH  
Broadcast: NO  
Use < or > To Change

- YES
- NO

Check one of the boxes above. Default is "NO".

**Configuration Screen #15**

VCCX2 Cnfg ID: 0001  
Remote Space Sensor  
Board Address: 0

Enter the address. Default is "0".

**Configuration Screen #16**

VCCX2 Cnfg ID: 0001  
E-BUS SPC/RH Sensor  
Enable Alarm LED

- Enable Alarm LED
- Disable Alarm LED

Check one of the boxes above. Default is "Enable Alarm LED".

**Configuration Screen #17**

VCCX2 Cnfg ID: 0001  
Outdoor Sensor Type  
None  
Use < or > To Change

- None
- Analog
- E-BUS OAT/ RH
- Receive Broadcast
- Use BACnet OAT/RH

Check one of the boxes above. Default is "None".

**Configuration Screen #18**

VCCX2 Cnfg ID: 0001  
Return Sensor Type  
NONE  
Use < or > To Change

- None
- Analog
- E-BUS Temp/RH

Check one of the boxes above. Default is "NONE".

**Configuration Screen #19**

VCCX2 Cnfg ID: 0001  
Static Pr Control  
Fan VFD / SZ VAV  
Use < or > To Change

- None
- Fan VFD / SZ VAV
- Bypass Damper

Check one of the boxes above. Default is "Fan VFD / SZ VAV".

**Configuration Screen #20**

VCCX2 Cnfg ID: 0001  
Static/Fan Control  
Rate: 10 s  
[ 1 – 30 Seconds ]

Enter 1 to 30 seconds above. Default is "10 seconds".

**Configuration Screen #21**

VCCX2 Cnfg ID: 0001  
Static Pr Control  
Max Adjust: 5%  
[ 1 – 30% ]

Enter 1 to 30 percent above. Default is "5 percent".

**Configuration Screen #22**

VCCX2 Cnfg ID: 0001  
Fan Voltage Output  
Min Volts: 0.0 VDC  
Max Volts: 10.0 VDC

In the first box, enter 0 to 10. Default is "0 Volts". In the second box, enter 0 to 10. Default is "10 Volts."

**Configuration Screen #23**

VCCX2 Cnfg ID: 0001  
Fan Cycle Mode  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #24**

VCCX2 Cnfg ID: 0001  
Fan Runs During  
Unoccupied: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #25**

VCCX2 Cnfg ID: 0001  
Supply Fan Proving  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #26**

VCCX2 Cnfg ID: 0001  
Return Fan Proving  
No Return Fan POF  
Use < or > To Change

- No Return Fan POF
- Return/Exhaust POF
- Return POF w/Supply Fan On

Check one of the boxes above. Default is "No Return Fan POF".

**Configuration Screen #27**

VCCX2 Cnfg ID: 0001  
Fan Starting  
Delay: -1 s  
[ -1 = Unit Addr x 5 ]

Enter -1 to 240 seconds above. Default is "-1 seconds". -1 = multiply controller address by 5 seconds.

**Configuration Screen #28**

VCCX2 Cnfg ID: 0001  
Purge Mode  
Delay: 30 s  
[ 0 - 900 Seconds ]

Enter 0 to 900 seconds above. Default is "30 seconds".

**Configuration Screen #29**

VCCX2 Cnfg ID: 0001  
Heat Type  
No Heat  
Use < or > To Change

- No Heat
- Staged Only
- Mod Heat Only
- Modgas-x Then Staged
- Mod Heat Then Staged

Check one of the boxes above. Default is "No Heat".

**Configuration Screen #30**

VCCX2 Cnfg ID: 0001  
Mod Heat Volt Output  
Min Pos Volts: 0.0  
Max Pos Volts: 10.0



In the first box, enter 0 to 10. Default is "0 Volts". In the second box, enter 0 to 10. Default is "10 Volts."

**Configuration Screen #31**

VCCX2 Cnfg ID: 0001  
Cool Type  
Refrigeration Module  
Use < or > To Change

- Refrigeration Module
- Staged Only
- Mod Only

Check one of the boxes above. Default is "Refrigeration Module".

**Configuration Screen #32**

VCCX2 Cnfg ID: 0001  
Chilled Water Valve  
0-10VDC  
Use < or > To Change

- 0-10 VDC
- 2-10 VDC

Check one of the boxes above. Default is "0-10 VDC".

**Configuration Screen #33**

VCCX2 Cnfg ID: 0001  
Chilled Water Valve  
Direct Acting  
Use < or > To Change

- Direct Acting
- Reverse Acting

Check one of the boxes above. Default is "Direct Acting".

**Configuration Screen #34**

VCCX2 Cnfg ID: 0001  
Mech Heat/Cool  
Alarm Delay: 15 Min

Enter 0 to 240 minutes above. Default is "15 Minutes".

**Configuration Screen #35**

VCCX2 Cnfg ID: 0001  
Econo Control Type  
No Economizer  
Use < or > To Change

- No Economizer
- Standard Economizer
- IAQ Economizer (Economizer with CO<sub>2</sub> Override)

Check one of the boxes above. Default is "No Economizer".

**Configuration Screen #36**

VCCX2 Cnfg ID: 0001  
Title 24  
Economizer: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #37**

VCCX2 Cnfg ID: 0001  
Econo Control In  
Unoc Mode: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #38**

VCCX2 Cnfg ID: 0001  
Econo Enable Source  
Drybulb  
Use < or > To Change

- Drybulb
  - Wetbulb (OA RH Sensor needed)
  - Dewpoint (OA RH Sensor needed)
  - Comparative Enthalpy (E-BUS OA RH & E-BUS RA RH Sensors needed)
- Check one of the boxes above. Default is "Drybulb".

**Configuration Screen #39**

VCCX2 Cnfg ID: 0001  
Economizer Control  
Rate: 10 s  
Prop Window: 10.0°F

In the first box, enter 1 to 30. Default is "10 seconds". In the second box, enter 1.0 to 30.0. Default is "10.0."

**Configuration Screen #40**

VCCX2 Cnfg ID: 0001  
Econo Voltage Output  
Min Volts: 2.0 VDC  
Max Volts: 10.0 VDC

In the first box, enter 0 to 10. Default is "2 VDC". In the second box, enter 0 to 10. Default is "10 VDC."

**Configuration Screen #41**

VCCX2 Cnfg ID: 0001  
Econo Relay On When  
Econo Above Min Pos  
Use < or > To Change

- Econo Above Min Pos
  - Above Activation %
- Check one of the boxes above. Default is "Econo Above Min Pos".

**Configuration Screen #42**

VCCX2 Cnfg ID: 0001  
Economizer Relay  
Activation Level  
Setpoint: 15%

In the box, enter 0 to 100. Default is "15 percent".

**Configuration Screen #43**

VCCX2 Cnfg ID: 0001  
Ht Wheel Enabled By  
Econo at Min Pos  
Use < or > To Change

- Econo at Min Pos
  - OA Enthalpy
- Check one of the boxes above. Default is "Econo at Min Pos".

**Configuration Screen #44**

VCCX2 Cnfg ID: 0001  
CO2 Sensor Installed  
None  
Use < or > To Change

- None
  - E-Bus CO2
  - Receive Broadcast
  - Future Use
  - Use BACnet CO2
- Check one of the boxes above. Default is "None".

**Configuration Screen #45**

VCCX2 Cnfg ID: 0001  
Building Pr. Sensor  
None  
Use < or > To Change

- None
  - Analog
  - Receive Broadcast
  - Use BACnet Reading
- Check one of the boxes above. Default is "None".

**Configuration Screen #46**

VCCX2 Cnfg ID: 0001  
Building Pr. Control  
None  
Use < or > To Change

- None
  - On/Off Exhaust Relay
  - Modulating Exhaust
  - Outdoor Air Damper
  - Supply Fan
  - Duct Static Control
- Check one of the boxes above. Default is "None".

**Configuration Screen #47**

VCCX2 Cnfg ID: 0001  
Building Pr. Control  
Rate: 10 Sec  
[ 1 – 30 Seconds ]

Enter 1 to 30 seconds. Default is "10 seconds".

**Configuration Screen #48**

VCCX2 Cnfg ID: 0001  
Building Pr. Control  
Max Adjust: 5%  
[ 1 – 30% ]

Enter 1 to 30. Default is "5 percent".

**Configuration Screen #49**

VCCX2 Cnfg ID: 0001  
Exh Fan Volts  
Min Volts: 0.0 VDC  
Max Volts: 10.0 VDC

In the first box, enter 0 to 10. Default is "0 VDC". In the second box, enter 0 to 10. Default is "10 VDC."

**Configuration Screen #50**

VCCX2 Cnfg ID: 0001  
Heat Pump Config  
No Heat Pump  
Use < or > To Change

- No Heat Pump
- Air/Air Fail to Heat
- Air/Air Fail to Cool
- WSHP Fail to Heat
- WSHP Fail to Cool
- Waterside Condenser

Check one of the boxes above. Default is "No Heat Pump".

**Configuration Screen #51**

VCCX2 Cnfg ID: 0001  
WSHP Glycol  
Percentage: 0%  
Use < or > To Change

Enter 0-40 in increments of 5. Default is "0%".

**Configuration Screen #52**

VCCX2 Cnfg ID: 0001  
Aux Heat Type  
No Aux Heat  
Use < or > To Change

- No Aux Heat
- Staged Only
- Mod Heat Only
- Modgas-x Then Staged
- Mod Heat Then Staged

Check one of the boxes above. Default is "No Aux Heat".

**Configuration Screen #53**

VCCX2 Cnfg ID: 0001  
Dehum. Control  
None  
Use < or > To Change

- None
- Only Occupied Vent
- Only Vent Anytime
- All Modes Occupied
- All Modes Anytime

Check one of the boxes above. Default is "None".

**Configuration Screen #54**

VCCX2 Cnfg ID: 0001  
Humidity Control  
Sensor: Space  
Use < or > To Change

- Space
- Return

Check one of the boxes above. Default is "Space".

**Configuration Screen #55**

VCCX2 Cnfg ID: 0001  
Reheat Control  
None  
Use < or > To Change

- None
- On/Off HGR Relay
- Modulating HGR
- Unit Heat
- Mod HGR + Unit Heat
- On/Off HGR + Unit Heat
- Mod HGR + Aux Heat

Check one of the boxes above. Default is "None".

**Configuration Screen #56**

VCCX2 Cnfg ID: 0001  
Airflow  
Station: Paragon  
Use < or > To Change

- Paragon
- Ebtron

Check one of the boxes above. Default is "Paragon".

**Configuration Screen #57**

VCCX2 Cnfg ID: 0001  
Monitor OA Airflow  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #58**

VCCX2 Cnfg ID: 0001  
Control Outdoor Air  
CFM w/Damper: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #59**

VCCX2 Cnfg ID: 0001  
Control Outdoor Air  
CFM w/VFD: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #60**

VCCX2 Cnfg ID: 0001  
Outdoor Airflow Duct  
Size: 0.00  
[ In Square Feet ]

Enter the inside area in sq. ft. of the OA duct/damper, accurate to two decimal places. Range is 0-200. Default is "0".

**Configuration Screen #61**

VCCX2 Cnfg ID: 0001  
Monitor SA Airflow  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #62**

VCCX2 Cnfg ID: 0001  
Supply Airflow Duct  
Size: 0.00  
[ In Square Feet ]

Enter the inside area in sq. ft of the supply air duct/damper, accurate to two decimal places. Range is 0-200. Default is "0".

**Configuration Screen #63**

VCCX2 Cnfg ID: 0001  
Monitor RA Airflow  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #64**

VCCX2 Cnfg ID: 0001  
Return Airflow Duct  
Size: 0.00  
[ In Square Feet ]

Enter the inside area in square feet of the return air duct/damper, accurate to two decimal places. Range is 0-200. Default is "0".

**Configuration Screen #65**

VCCX2 Cnfg ID: 0001  
Monitor Exh Airflow  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #66**

VCCX2 Cnfg ID: 0001  
Exhaust Airflow Duct  
Size: 0.00  
[ In Square Feet ]

Enter the inside area in square feet of the exhaust air duct/damper, accurate to two decimal places. Range is 0-200. Default is "0".

**Configuration Screen #67**

VCCX2 Cnfg ID: 0001  
Morning Warm Up  
None  
Use < or > To Change

- None
- Stand-Alone
- Broadcast Fixed to Boxes
- Broadcast Max to Boxes

Check one of the boxes above. Default is "None".

**Configuration Screen #68**

VCCX2 Cnfg ID: 0001  
AHU Uses Schedule  
Number: 0  
[ '0' For Internal ]

Enter 0-8. Default is "0".

**Configuration Screen #69**

VCCX2 Cnfg ID: 0001  
Daylight Adjustment  
Start Date: 0  
Stop Date: 0



In the first box, enter 0 to 1231. Default is "0". In the second box, enter 0 to 1231. Default is "0".

**Configuration Screen #70**

VCCX2 Cnfg ID: 0001  
Trend Log  
Rate: 15 Min  
[ 1 - 120 Minutes ]

Enter 1 to 120 minutes. Default is "15 minutes".

**Configuration Screen #71**

VCCX2 Cnfg ID: 0001  
Emergency Shutdown  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #72**

VCCX2 Cnfg ID: 0001  
Dirty Filter  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #73**

VCCX2 Cnfg ID: 0001  
Broadcast OA Temp  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #74**

VCCX2 Cnfg ID: 0001  
Broadcast OA RH  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #75**

VCCX2 Cnfg ID: 0001  
Broadcast SPC Temp  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #76**

VCCX2 Cnfg ID: 0001  
Broadcast SPC RH  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #77**

VCCX2 Cnfg ID: 0001  
Broadcast CO2  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #78**

VCCX2 Cnfg ID: 0001  
Broadcast Build. Pr.  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #79**

VCCX2 Cnfg ID: 0001  
Broadcast to Boxes  
NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #80**

VCCX2 Cnfg ID: 0001  
Cool Stage Delays  
Stage Up: 3 Min  
Stage Down: 1 Min

  

In the first box above enter a value from 3 to 15. The default value is "3".

In the second box above enter a value from 1 to 15. The default value is "1".

**Configuration Screen #81**

VCCX2 Cnfg ID: 0001  
Cool Stage Delays  
Min Run: 5 Min  
Min Off: 3 Min

  

In the first box above enter a value from 5 to 15. The default value is "5".

In the second box above enter a value from 3 to 15. The default value is "3".

**Configuration Screen #82**

VCCX2 Cnfg ID: 0001  
Heat Stage Delays  
Stage Up: 3 Min  
Stage Down: 1 Min

  

In the first box above enter a value from 3 to 15. The default value is "3".

In the second box above enter a value from 1 to 15. The default value is "1".

**Configuration Screen #83**

VCCX2 Cnfg ID: 0001  
Heat Stage Delays  
Min Run: 5 Min  
Min Off: 1 Min

  

In the first box above enter a value from 2 to 15. The default value is "5".

In the second box above enter a value from 1 to 15. The default value is "1".

**Configuration Screen #84**

VCCX2 Cnfg ID: 0001  
Heat Pump Delays  
Aux Heat: 3 Min  
[ 0 – 60 minutes ]

In the box above enter a value from 0 to 60. The default value is "3".

**Configuration Screen #85**

VCCX2 Cnfg ID: 0001  
Heat/Cool Changeover  
Delay: 5 Min  
[ 0 – 20 minutes ]

In the box above enter a value from 0 to 20. The default value is "5".

**Configuration Screen #86**

VCCX2 Cnfg ID: 0001  
Return Air Bypass  
Control: NO  
Use < or > To Change

- NO
- YES

Check one of the boxes above. Default is "NO".

**Configuration Screen #87**

VCCX2 Cnfg ID: 0001  
Morning Cool-Down  
None  
Use < or > To Change

- None
- Stand Alone
- Bcast Fixed to Boxes
- Bcast Max to Boxes

Check one of the boxes above. Default is "None".

**Configuration Screen #88**

VCCX2 Cnfg ID: 0001  
Evap Condenser  
Control: No  
Use < or > To Change

- No
- Yes

Check one of the boxes above. Default is "No".



## VCCX2 Configuration Worksheet

Relays #2 through #24 can be individually configured. By using the 7 relay outputs available on the VCCX2 Controller the 5 relays on the VCC-X EM1 Expansion Module, and the 12 Relays on the 12 Relay E-BUS Expansion Module, you have the ability to configure up to a combined total of 24 Heating Stages, Cooling Stages, and the other options listed above. Only the Heating and Cooling relays can be configured with multiple outputs. If any other option is selected more than once, it will simply activate redundant relays but no multiple staging will occur.

### Configuration Screen #89

VCCX2 Cnfg ID: 0001  
On-Board Relay 2  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #90

VCCX2 Cnfg ID: 0001  
On-Board Relay 3  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable

- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #91

VCCX2 Cnfg ID: 0001  
On-Board Relay 4  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #92

VCCX2 Cnfg ID: 0001  
On-Board Relay 5  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #93

VCCX2 Cnfg ID: 0001  
On-Board Relay 6  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #94**

VCCX2 Cnfg ID: 0001  
On-Board Relay 7  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #95**

VCCX2 Cnfg ID: 0001  
On-Board Relay 8  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status

- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #96**

VCCX2 Cnfg ID: 0001  
EM1 Relay 1  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #97**

VCCX2 Cnfg ID: 0001  
EM1 Relay 2  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode

- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #98**

VCCX2 Cnfg ID: 0001  
EM1 Relay 3  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #99**

VCCX2 Cnfg ID: 0001  
EM1 Relay 4  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient

## VCCX2 Configuration Worksheet

- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #100

VCCX2 Cnfg ID: 0001  
EM1 Relay 5  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #101

VCCX2 Cnfg ID: 0001  
12 Rly Bd 1  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable

- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #102

VCCX2 Cnfg ID: 0001  
12 Rly Bd 2  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #103

VCCX2 Cnfg ID: 0001  
12 Rly Bd 3  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #104

VCCX2 Cnfg ID: 0001  
12 Rly Bd 4  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status

## VCCX2 Configuration Worksheet

- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #105

VCCX2 Cnfg ID: 0001  
12 Rly Bd 5  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #106

VCCX2 Cnfg ID: 0001  
12 Rly Bd 6  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode

- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #107

VCCX2 Cnfg ID: 0001  
12 Rly Bd 7  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #108

VCCX2 Cnfg ID: 0001  
12 Rly Bd 8  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient

- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

### Configuration Screen #109

VCCX2 Cnfg ID: 0001  
12 Rly Bd 9  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #110**

VCCX2 Cnfg ID: 0001  
12 Rly Bd 10  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #111**

VCCX2 Cnfg ID: 0001  
12 Rly Bd 11  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status

- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Configuration Screen #112**

VCCX2 Cnfg ID: 0001  
12 Rly Bd 12  
Not Used  
Use < or > To Change

- Not Used (Default)
- Cooling Stage
- Heating Stage
- Heat Pump Aux Heat
- Heat Pump Emergency Heat
- Mod Heat Enable
- Mod Cool Enable
- Warm-up / Cool-Down
- Reheat
- Preheat
- Low Ambient
- Exhaust Fan
- Economizer
- Heat Wheel
- Occupied Mode
- Override Mode
- Alarm Active
- A1 Comp Status
- A2 Comp Status
- B1 Comp Status
- B2 Comp Status
- Condenser Pump
- Sump Heater
- Sump Pump Drain

Check one of the boxes above.

**Setpoint Screen #1**

VCCX2 Spts ID: 0001  
 Occupied HVAC Spts  
 Cooling.....: 75.0°F  
 Heating.....: 70.0°F

  


In the first box above enter a value from 1 to 110. The default value is “75”. In the second box above enter a value from 1 to 110. The default value is “70”.

**Setpoint Screen #2**

VCCX2 Spts ID: 0001  
 Hood On HVAC Spts  
 OAT Cool: 75.0°F  
 OAT Heat: 70.0°F

  


In the first box above enter a value from 1 to 110. The default value is “75”. In the second box above enter a value from 1 to 110. The default value is “70”.

**Setpoint Screen #3**

VCCX2 Spts ID: 0001  
 Unoccupied Offsets  
 Cooling.....: 30.0°F  
 Heating.....: 30.0°F

  


In the first box above enter a value from 0 to 30. The default value is “30”. In the second box above enter a value from 0 to 30. The default value is “30” and indicates no Unoccupied operation will occur.

**Setpoint Screen #4**

VCCX2 Spts ID: 0001  
 Mode Deadband  
 Setpoint: 1.0°F

In the box above enter a value from 0 to 10. The default value is “1”.

**Setpoint Screen #5**

VCCX2 Spts ID: 0001  
 Space Slide Offset  
 v1.15&Older: 0.0°F  
 v1.16&Newer: 0

  


If using VCCX2 v. 1.15 or older, in the first box above, enter a value from 0.0 to 10.0. The default value is “0.0”.  
 If using VCCX2 v. 1.16 or newer, in the second box above, enter a value from 0 to 10. The default value is “0”.

**Setpoint Screens #6 - #8**

VCCX2 Spts ID: 0001  
 Calibrate Slide Adj  
 Put At Up Pos: XXX  
 Enter # Shown: XXX

VCCX2 Spts ID: 0001  
 Calibrate Slide Adj  
 At Middle Pos: XXX  
 Enter # Shown: XXX

VCCX2 Spts ID: 0001  
 Calibrate Slide Adj  
 At Down Pos: XXX  
 Enter # Shown: XXX

Once the slider is in the down position, wait for the value on line 3 to stop changing. Once it stops changing, enter this value on line 4.

**Setpoint Screen #9**

VCCX2 Spts ID: 0001  
 Space Sensor  
 Push-Button Override  
 Duration.....: 2.0 Hr

In the box above enter a value from 0 to 8.0. The default value is “2.0”.

**Setpoint Screens #10 & 11**

VCCX2 Spts ID: 0001  
 Controlling Sensor  
 High Alarm Offset  
 Setpoint: 30.0°F

VCCX2 Spts ID: 0001  
 Controlling Sensor  
 Low Alarm Offset  
 Setpoint: 30.0°F

  


In the boxes above enter a value from 0 to 50. The default value is “30”. Only applies to Space, Return Air, or Single Zone VAV controlled units.

**Setpoint Screen #12**

VCCX2 Spts ID: 0001  
 Outdoor Dewpoint  
 Setpoint: 55.0°F

In the box above enter a value from 35 to 80. The default value is “55”.

**Setpoint Screen #13**

VCCX2 Spts ID: 0001  
 Indoor RH Setpt  
 Disable/Lo Rst: 50%  
 Enable/Hi Rst: 60%

  


In the first box above enter a value from 0 to 100. The default value is “50”. In the second box above enter a value from 0 to 100. The default value is “60”.  
 This screen can be used to set the Indoor (Space or Return Air) Dehumidification Enable and Disable Setpoints and to set the Indoor Humidity Reset Range used to reset the Coil Suction (Saturation) Temperature Setpoint during Dehumidification. Please see the instructions for *Setpoint Screen #13* in the *VCCX2 Controller Operator Interfaces SD Technical Guide* for detailed information.

**Setpoint Screen #14**

VCCX2 Spts ID: 0001  
Coil Temp Setpt  
Hi Rst Lmt: 45°F  
Lo Rst Lmt: 40°F

  


In the first box enter a value from 35 to 70. The default value is “45”. In the second box enter a value from 35 to 70. The default value is “40”. During Dehumidification, the Coil temperature can be reset within the range created on this screen per the description for *Setpoint Screen #13*. If no reset is desired, set both the low and high setpoints to the same value.

**Setpoint Screen #15**

VCCX2 Spts ID: 0001  
Static Pressure  
Setpt: 1.50”WG  
Deadband: 0.10”WG

  


In the first box above enter a value from .10 to 3.0. The default value is “1.5”. In the second box above enter a value from .01 to 0.5. The default value is “.10”.

**Setpoint Screen #16**

VCCX2 Spts ID: 0001  
Static Pressure Reset  
Max Limit: 1.50”WG  
Min Limit: 1.50”WG

  


In the first box above enter a value from .10 to 3.0. The default value is “1.5”. In the second box above enter a value from .10 to 3.0. The default value is “1.5”.

**Setpoint Screen #17**

VCCX2 Spts ID: 0001  
Static Pressure Reset  
Interval: 15Min

Enter a value from 10 to 60. The default value is “15”.

**Setpoint Screen #18**

VCCX2 Spts ID: 0001  
VFD Speed Limits  
Min Cool: 30%  
Min Vent: 20%

  


In the first box above enter a value from 0 to 100. The default value is “30”. In the second box above enter a value from 0 to 100. The default value is “20”. If this unit is configured for Single Zone VAV operation, the Min Cool Percentage will be the fan speed at which the VFD will start operating at when cooling is initiated. It can then modulate up to 100% as the space temperature rises within the range created by the Cool Low Reset Source and the Cool High Reset Source Setpoints entered in *Setpoint Screen #21*. If this is a CAV or MUA unit, this should be set to 100%.

The Min Vent Percentage is the speed at which the fan will operate at during the Vent Mode.

**Setpoint Screen #19**

VCCX2 Spts ID: 0001  
VFD Speed Limits  
Min Heat: 50%  
Max Heat: 100%

  


In the first box above enter a value from 0 to 100. The default value is “50”. In the second box above enter a value from 0 to 100. The default value is “100”. If this unit is configured for Single Zone VAV operation, and you have a modulating heat source that will allow VAV heating, then the Min Heat Percentage will be the fan speed at

which the VFD will start operating at when heating is initiated. It can then modulate up to the Max Heat Percentage as the Space Temperature falls within the range created by the Heat High Reset Source and the Heat Low Reset Source created in *Setpoint Screen #23*. On a standard VAV unit, if the VFD Signal falls below the Minimum VFD Heat Setpoint during the Heating Mode, Heating will be disabled. If this is a CAV, MUA, or Single Zone VAV with CAV Heating, these setpoints should both be set at the same value which represents the constant speed you want the fan to operate at during the Heating Mode.

**Setpoint Screen #20**

VCCX2 Spts ID: 0001  
Supply Air Cooling  
Setpoint: 55.0°F  
Hi Rst Limit: 55.0°F

  


If no Reset Source has been configured in *Configuration Screen #11*, then this Setpoint will be the SAT Cooling Setpoint. Line 4 will be blank. If a Reset Source has been configured in *Configuration Screen #11*, then Line 4 will read Hi Rst Limit.

In the first box above enter a value from 30 to 80. The default value is “55”. In the second box above enter a value from 0 to 100. The default value is “55”.

**Setpoint Screen #21**

VCCX2 Spts ID: 0001  
Cool Rst Source Spts  
High Reset: 75.0°F  
Low Reset: 70.0°F

  

If no SAT Reset Source has been configured in *Configuration Screen #11*, you can disregard this screen.

If a SAT Reset has been configured, please see the instructions for *Setpoint Screen #21* in the *VCCX2 Controller Operator Interfaces SD Technical Guide* for detailed information.

In the first box above enter a value from 0 to 150. The default value is “75”. In the second box above enter a value from -30 to 150. The default value is “70”.

**Setpoint Screen #22**

VCCX2 Spts ID: 0001  
Supply Air Heating  
Setpoint: 120.0°F  
Hi Rst Limit: 120.0°F

  

If no Reset Source has been configured in *Configuration Screen #11*, then this Setpoint will be the SAT Heating Setpoint. Line 4 will be blank. If a Reset Source has been configured in *Configuration Screen #11*, then Line 4 will read Rst Limit.

In the first box above enter a value from 40 to 240. The default value is “120”. In the second box above enter a value from 0 to 250. The default value is “120”.

**Setpoint Screen #23**

VCCX2 Spts ID: 0001  
Heat Rst Source Spts  
High Reset: 75.0°F  
Low Reset: 70.0°F

  

If no SAT Reset Source has been configured in *Configuration Screen #11*, you can disregard this screen.

If a SAT Reset has been configured, please see the instructions for *Setpoint Screen #23* in the *VCCX2 Controller Operator Interfaces SD Technical Guide* for detailed information.

In the first box above enter a value from 0 to 150. The default value is “75”. In the second box above enter a value from -30 to 150. The default value is “70”.

**Setpoint Screen #24**

VCCX2 Spts ID: 0001  
Stage Off Window  
Cooling: 5.0°F  
Heating: 5.0°F

  

In the first box above enter a value from 1 to 30. The default value is “5”. In the second box above enter a value from 1 to 50. The default value is “5”.

**Setpoint Screen #25**

VCCX2 Spts ID: 0001  
Mod Heat  
Prop Window: 10.0°F  
Time Period: 30sec

  

In the first box above enter a value from .1 to 30. The default value is “10”. In the second box above enter a value from 5 to 240. The default value is “30”.



**Setpoint Screen #26**

VCCX2 Spts ID: 0001  
Mod Cool  
Prop Window: 10.0°F  
Time Period: 30sec

  

In the first box above enter a value from .1 to 30. The default value is "10".  
In the second box above enter a value from 5 to 240. The default value is "30".

**Setpoint Screen #27**

VCCX2 Spts ID: 0001  
Head Pressure Spts  
Cooling: 315psi  
Reheat: 400 psi

  

In the first box above enter a value from 240 to 420. Default value is "315".  
In the second box above enter a value from 240 to 420. Default value is "400".

**Setpoint Screen #28**

VCCX2 Spts ID: 0001  
WSHP Head Pres.Spts  
Cooling: 235 psi  
Reheat: 350 psi

  

In the first box above enter a value from 200 to 400. The default value is "235".  
In the second box above enter a value from 200 to 400. The default value is "350".

**Setpoint Screen #29**

VCCX2 Spts ID: 0001  
Condenser H2O Valve  
Minimum Pos: 25%

In the box above enter a value from 25 to 100. The default value is "25".

**Setpoint Screen #30**

VCCX2 Spts ID: 0001  
Condenser Fan Cycle  
Enable: 310 psi  
Deadband: 50 psi

  

In the first box above enter a value from 245 to 470. Default value is "310".  
In the second box above enter a value from 35 to 100. Default value is "50".

**Setpoint Screen #31**

VCCX2 Spts ID: 0001  
Condenser Fan Cycle  
Reheat Offset  
Enable: 50 psi

In the box above enter a value from 50 to 150. The default value is "50".

**Setpoint Screen #32**

VCCX2 Spts ID: 0001  
Use Evap Cond as 1st  
Stage Below This OA  
Temp: 70.0°F

In the box above enter a value from 50 to 80. The default value is "70".

**Setpoint Screen #33**

VCCX2 Spts ID: 0001  
Evap Head Pres Setpt  
Deadband: 10 psi

In the box above enter a value from 1 to 100. The default value is "10".

**Setpoint Screen #34**

VCCX2 Spts ID: 0001  
Sump Enable Temps  
Heater: 40°F  
Drain: 32°F

  

In the first box above enter a value from 30 to 60. Default value is "40".  
In the second box above enter a value from 32 to 40. Default value is "32".

**Setpoint Screen #35**

VCCX2 Spts ID: 0001  
Economizer Enable  
Setpoint: 55.0°F

In the box above enter a value from -30 to 80. The default value is "55".

**Setpoint Screen #36**

VCCX2 Spts ID: 0001  
Comparative Enthalpy  
Econo Enable: 28.0  
Deadband: 0.5



In the first box above enter a value from -25.0 to 35.0. The default value is "28.0". In the second box above enter a value from 0.1 to 3.0. The default value is "0.5".

**Setpoint Screen #37**

VCCX2 Spts ID: 0001  
WSE Entering H2O  
Control DB: 3.0°F

In the box above enter a value from 0 to 20. The default value is "3".

**Setpoint Screen #38**

VCCX2 Spts ID: 0001  
Economizer Min  
Damper Pos: 10%

In the box above enter a value from 0 to 100. The default value is "10".

**Setpoint Screen #39**

VCCX2 Spts ID: 0001  
Max Econo Pos In  
Heat Mode: 50%

In the box above enter a value from 0 to 100. The default value is "50".

**Setpoint Screen #40**

VCCX2 Spts ID: 0001  
Min. Outdoor Airflow  
Setpoint: 2.00 kCFM  
Deadband: 200 CFM



In the first box above enter a value from .1 to 200. The default value is "2".

In the second box above enter a value from 10 to 9999. The default value is "200".

**Setpoint Screen #41**

VCCX2 Spts ID: 0001  
High CO2:  
Max OA kCFM: 2.0  
Max Econo Pos: 50%



In the first box above, enter a value from .10 to 200. The default value is "2".

In the second box above enter a value from 0 to 100. (Note: The minimum is whatever value you set for Economizer Min. Damper Position on *Setpoint Screen #38*.) The default value is "50".

**Setpoint Screen #42**

VCCX2 Spts ID: 0001  
CO2 Setpoints  
Min CO2: 900 PPM  
Max CO2: 1000 PPM



In the first box above enter a value from 0 to 2000. The default value is "900".

In the second box above enter a value from 0 to 2000. The default value is "1000".

**Setpoint Screen #43**

VCCX2 Spts ID: 0001  
Altitude  
Setpoint: 1000 Ft

In the box above enter a value from 0 to 15,000. The default value is "1000".

**Setpoint Screen #44**

VCCX2 Spts ID: 0001  
Building Pressure  
Setpoint: 0.02"WG  
Deadband: 0.01"WG



**Building Pressure:** In the first box above enter a value from -.2 to .2. The default value is ".02". In the second box above enter a value from .01 to .1. The default value is ".01".

**Exhaust:** In the first box above enter a value from .1 to 3.0. The default value is "1.5". In the second box above enter a value from .01 to .5. The default value is ".1".

**Setpoint Screen #45**

VCCX2 Spts ID: 0001  
OAT Lockouts  
Comp Cool: 50.0°F  
Comp Heat: 35.0°F



In the first box above enter a value from -30 to 100. The default value is "50".

In the second box above enter a value from -30 to 100. The default value is "35".

**Setpoint Screen #46**

VCCX2 Spts ID: 0001  
OAT Lockouts  
Heat: 90.0°F

In the box above enter a value from -30 to 150. The default value is "90".

**Setpoint Screen #47**

VCCX2 Spts ID: 0001  
Supply Air Cutoffs  
Cooling: 40.0°F  
Heating: 150.0°F

In the first box above enter a value from 0 to 100. The default value is "40".  
In the second box above enter a value from 0 to 250. The default value is "150".

**Setpoint Screen #48**

VCCX2 Spts ID: 0001  
Hot Water Valve  
Protection Pos: 0%

In the box above enter a value from 0 to 100. The default value is "0".

**Setpoint Screen #49**

VCCX2 Spts ID: 0001  
Preheat Relay  
Setpt: 30.0°F

In the box above enter a value from -30 to 70. The default value is "30".

**Setpoint Screen #50**

VCCX2 Spts ID: 0001  
Low Ambient  
Setpt: 30.0°F

In the box above enter a value from -30 to 70. The default value is "30".

**Setpoint Screen #51**

VCCX2 Spts ID: 0001  
Heat Pump Defrost  
Interval: 30 Min

In the box above enter a value from 10 to 120. The default value is "30".

**Setpoint Screen #52**

VCCX2 Spts ID: 0001  
Adaptive Defrost  
Interval Adj: 0 Min

In the box above enter a value from 0 to 30. The default value is "0".

**Setpoint Screen #53**

VCCX2 Spts ID: 0001  
Heat Wheel Defrost  
Temp Setpt: 30.0°F

In the box above enter a value from 0 to 50. The default value is "30".

**Setpoint Screen #54**

VCCX2 Spts ID: 0001  
Ht. Wheel Enthalpy:  
Hi OA Enable: 30.0  
Lo OA Enable: 20.0

In the first box above enter a value from 0.0 to 33.0. The default value is "30.0".  
In the second box above enter a value from 0.0 to 33.0. The default value is "20.0".

**Setpoint Screen #55**

VCCX2 Spts ID: 0001  
Morning Warmup  
SAT Setpt: 100.0°F  
Target Temp: 70.0°F

In the first box above enter a value from 40 to 240. The default value is "100".  
In the second box above enter a value from 50 to 90. The default value is "70".

**Setpoint Screen #56**

VCCX2 Spts ID: 0001  
Morning Cooldown  
SAT Setpt: 55.0°F  
Target Temp: 68.0°F

In the first box above enter a value from 30 to 80. The default value is "55".  
In the second box above enter a value from 50 to 80. The default value is "68".

**Setpoint Screen #57**

VCCX2 Spts ID: 0001  
Warmup and Cooldown  
Max Length: 60 Min

In the box above enter a value from 0 to 240. The default value is "60".

**Setpoint Screen #58**

VCCX2 Spts ID: 0001  
SZ VAV Integral  
Constant: 0

In the box above enter a value from 0 to 10. The default value is "0".

**Setpoint Screen #59**

VCCX2 Spts ID: 0001  
Return Air Bypass  
Damper Factor  
Setpoint: 40%

In the box above enter a value from 0 to 100. The default value is "40".

**Setpoint Screen #60**

VCCX2 Spts ID: 0001  
Preheat-X Spts  
Cooling Mode: 40.0°F  
Heating Mode: 60.0°F

  

If using Preheat-X, in the first box above enter a value from 35 to 90. The default value is "40". In the second box above enter a value from 35 to 90. The default value is "60".

If using Preheat-EXT, in the first box above enter a value from 0 to 90. The default value is "40". In the second box above enter a value from 0 to 90. The default value is "60".

**Setpoint Screen #61**

VCCX2 Spts ID: 0001  
Preheat-X Spts  
Vent Mode: 50.0°F

If using Preheat-X, in the box above enter a value from 35 to 90. The default value is "50".

If using Preheat-EXT, in the box above enter a value from 0 to 90. The default value is "50".

**Setpoint Screen #62**

VCCX2 Spts ID: 0001  
Superheat  
Setpoint: 15

In the box above enter a value from 1 to 30. The default value is "15".

**Setpoint Screens #63-68**

*Setpoint Screens #63 through #68 allow you to calibrate any sensors that are not reading correctly. In the boxes below for the sensor(s) you wish to calibrate, enter a value from -100 to +100 (-500 to +500 for the CO<sub>2</sub> Sensor). The default value is "0". The current value shown on Line 3 is the actual temperature the sensor is reading plus the offset temperature amount you enter.*

VCCX2 Spts ID: 0001  
Space Sensor Cal  
Current: 0.0°F  
Offset: 0.0°F

VCCX2 Spts ID: 0001  
Return Sensor Cal  
Current: 0.0°F  
Offset: 0.0°F

VCCX2 Spts ID: 0001  
SAT Sensor Cal  
Current: 0.0°F  
Offset: 0.0°F

VCCX2 Spts ID: 0001  
OAT Sensor Cal  
Current: 0.0°F  
Offset: 0.0°F

VCCX2 Spts ID: 0001  
Entering H2O Cal  
Current: 0.0°F  
Offset: 0.0°F

VCCX2 Spts ID: 0001  
CO2 Sensor Cal  
Current: 0ppm  
Offset: 0ppm

**RSMV & RSMV-HP  
CONFIGURATION  
SCREENS**

**RSMV #1 Condenser Option**

RSM#1 Configuration  
Condenser Options  
Push > for options  
Use < or > to CHANGE

- 2 Cond per RSMV
- 1 Cond per RSMV
- 1 Cond for 2 RSMVs
- 1 Cond for 3 RSMVs
- Reserved
- 1 Cond for 4 RSMVs

Check one of the boxes above.

**RSMV #2, #3, #4 Condenser  
Options**

- 2 Cond per RSMV
- 1 Cond per RSMV
- 1 Cond for 2 RSMVs
- 1 Cond for 3 RSMVs
- Reserved
- 1 Cond for 4 RSMVs

Choose the same Condenser option you chose for RSMV #1 for RSMV #2, #3, and #4 from the list above, depending on how many RSMVs you are using. If you choose any other option than the one chosen for RSMV #1, the RSMV will not run properly.

**RSMV #1 SS1072 v3.xx and  
Higher Configuration**

RSM#1 v.3XX Only  
RSMV A Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- 1 Danfoss CDS803 VFD
- 1 Danfoss CDS303 VFD
- 1 Copeland Mod VFD
- 1 Copeland Pack VFD
- 1=CDS803VFD 2=On/Off
- 1=CDS803VFD 2=2-Step
- 1=CDS303VFD 2=On/Off
- 1=CDS303VFD 2=2-Step
- 1=Cplnd VFD 2=On/Off
- 1=Cplnd VFD 2=2-Step
- 1 Bitzer VFD
- 1 Bitzer On/Off
- 1=Bitzr VFD 2=On/Off
- 1 & 2=Bitzer On/Off

Check one of the boxes above. Default is "Not Configured".

**RSMV #1 Evap Coil Config**

RSM #1 Configuration  
Evap Coil EXV  
Uses EXV-1 Only  
Use < or > to CHANGE

- Uses EXV-1 Only
- Uses EXV-1 & EXV-2

Check one of the boxes above. Default is "Uses EXV-1 Only".

**RSMV #1 Heat Pump  
Expansion Valve Config**

RSM #1 Configuration  
Heat Pump Cond EXV  
Uses EXV-3 Only  
Use < or > to CHANGE

- Uses EXV-3 Only
- Uses EXV-3 & EXV-4

Check one of the boxes above. Default is "Uses EXV-3 Only".

**RSMV #1 Single  
Compressor Startup**

RSM 1 Configuration  
Single Comp Startup  
No  
Use < or > to CHANGE

- No
- Yes

Check one of the boxes above. Default is "No."

**RSMV #1 BIN4 Config 1**

RSM 1 Configuration  
RSMV A BIN4 Config1  
No Emergency Shutdown  
Use < or > to CHANGE

- No Emergency Shutdown
- Emergency Shutdown

Check one of the boxes above. Default is "No Emergency Shutdown."

**RSMV #1 BIN4 Config 2**

RSM 1 Configuration  
RSMV A BIN4 Config2  
No Active Alarm Stat  
Use < or > to CHANGE

- No Active Alarm Stat
- Active Alarm Stat

Check one of the boxes above. Default is "No Active Alarm Stat."

**RSMV #1 SS1072 v2.xx and  
lower**

RSMV #1 v2.xx Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is "Dual."

**RSMV #1 SS1072 v2.xx and lower**

RSMV #1 Configuration  
Compressor Type  
1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED  
Use < or > to CHANGE

- 1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED
- BOTH ARE FIXED

Check one of the boxes above. Default is "1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED".

**RSMV #2 SS1072 v3.xx and Higher**

RSM#2 v.3XX Only  
RSMV B Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Future Use 1-11
- 1 Bitzer VFD
- 1 Bitzer On/Off
- 1=Bitzer VFD 2=On/Off
- 1 & 2=Bitzer On/Off

**RSMV #2 Evap Coil Config**

RSM 2 Configuration  
Evap Coil Exv  
Uses EXV-1 Only  
Use < or > to CHANGE

- Uses EXV-1 Only
- Uses EXV-1 & EXV-2

Check one of the boxes above. Default is "Uses EXV-1 Only".

**RSMV #2 Heat Pump Expansion Valve Config**

RSM 2 Configuration  
Heat Pump Cond Exv  
Uses EXV-3 Only  
Use < or > to CHANGE

- Uses EXV-3 Only
- Uses EXV-3 & EXV-4

Check one of the boxes above. Default is "Uses EXV-3 Only".

**RSMV #2 Single Compressor Startup**

RSM 2 Configuration  
Single Comp Startup  
No  
Use < or > to CHANGE

- No
- Yes

Check one of the boxes above. Default is "No."

**RSMV #2 BIN4 Config 1**

RSM 2 Configuration  
RSMV B BIN4 Config1  
No Emergency Shutdown  
Use < or > to CHANGE

- No Emergency Shutdown
- Emergency Shutdown

Check one of the boxes above. Default is "No Emergency Shutdown."

**RSMV #2 BIN4 Config 2**

RSM 2 Configuration  
RSMV B BIN4 Config2  
No Active Alarm Stat  
Use < or > to CHANGE

- No Active Alarm Stat
- Active Alarm Stat

Check one of the boxes above. Default is "No Active Alarm Stat."

**RSMV #2 SS1072 v2.xx and lower**

RSMV #2 v2.xx Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is "Dual."

**RSMV #2 SS1072 v2.xx and lower**

RSMV #2 Configuration  
Compressor Type  
1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED  
Use < or > to CHANGE

- 1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED
- BOTH ARE FIXED

Check one of the boxes above. Default is "1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED".

**RSMV #3 SS1072 v3.xx and Higher**

RSM#3 v.3XX Only  
RSMV C Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Future Use 1-11
- 1 Bitzer VFD
- 1 Bitzer On/Off
- 1=Bitzer VFD 2=On/Off
- 1 & 2=Bitzer On/Off

**RSMV #3 Evap Coil Config**

RSM 3 Configuration  
Evap Coil Exv  
Uses EXV-1 Only  
Use < or > to CHANGE

- Uses EXV-1 & EXV-2
- Uses EXV-1 Only

Check one of the boxes above. Default is "Uses EXV-1 Only."

**RSMV #3 Heat Pump Expansion Valve Config**

RSM 3 Configuration  
Heat Pump Cond Exv  
Uses EXV-3 Only  
Use < or > to CHANGE

- Uses EXV-3 & EXV-4
- Uses EXV-3 Only

Check one of the boxes above. Default is "Uses EXV-3 Only."

### RSMV #3 Single Compressor Startup

RSM 3 Configuration  
Single Comp Startup  
No  
Use < or > to CHANGE

- No
- Yes

Check one of the boxes above. Default is "No."

### RSMV #3 BIN4 Config 1

RSM 3 Configuration  
RSMV C BIN4 Config1  
No Emergency Shutdown  
Use < or > to CHANGE

- No Emergency Shutdown
- Emergency Shutdown

Check one of the boxes above. Default is "No Emergency Shutdown."

### RSMV #3 BIN4 Config 2

RSM 3 Configuration  
RSMV C BIN4 Config2  
No Active Alarm Stat  
Use < or > to CHANGE

- No Active Alarm Stat
- Active Alarm Stat

Check one of the boxes above. Default is "No Active Alarm Stat."

### RSMV #3 SS1072 v2.xx and lower

RSMV #3 v2.xx Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is "Dual."

### RSMV #3 SS1072 v2.xx and lower

RSM 3 Configuration  
Compressor Type  
1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED  
Use < or > to CHANGE

- 1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED
- BOTH ARE FIXED

Check one of the boxes above. Default is "1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED".

### RSMV #4 SS1072 v3.xx and Higher

RSM#4 v.3XX Only  
RSMV D Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Future Use 1-11
- 1 Bitzer VFD
- 1 Bitzer On/Off
- 1=Bitzer VFD 2=On/Off
- 1 & 2=Bitzer On/Off

### RSMV #4 Evap Coil Config

RSM 4 Configuration  
Evap Coil Exv  
Uses EXV-1 Only  
Use < or > to CHANGE

- Uses EXV-1 & EXV-2
- Uses EXV-1 Only

Check one of the boxes above. Default is "Uses EXV-1 Only."

### RSMV #4 Heat Pump Expansion Valve Config

RSM 4 Configuration  
Heat Pump Cond Exv  
Uses EXV-3 Only  
Use < or > to CHANGE

- Uses EXV-3 & EXV-4
- Uses EXV-3 Only

Check one of the boxes above. Default is "Uses EXV-3 Only."

### RSMV #4 Single Compressor Startup

RSM 4 Configuration  
Single Comp Startup  
No  
Use < or > to CHANGE

- No
- Yes

Check one of the boxes above. Default is "No."

### RSMV #4 BIN4 Config 1

RSM 4 Configuration  
RSMV D BIN4 Config1  
No Emergency Shutdown  
Use < or > to CHANGE

- No Emergency Shutdown
- Emergency Shutdown

Check one of the boxes above. Default is "No Emergency Shutdown."

### RSMV #4 BIN4 Config 2

RSM 4 Configuration  
RSMV D BIN4 Config2  
No Active Alarm Stat  
Use < or > to CHANGE

- No Active Alarm Stat
- Active Alarm Stat

Check one of the boxes above. Default is "No Active Alarm Stat."

### RSMV #4 SS1072 v2.xx and lower

RSMV #4 v2.xx Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is "Dual."

### RSMV #4 SS1072 v2.xx and lower

RSM 3 Configuration  
Compressor Type  
1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED  
Use < or > to CHANGE

- 1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED
- BOTH ARE FIXED

Check one of the boxes above. Default is "1<sup>st</sup> VFD / 2<sup>nd</sup> FIXED".

**RSMD MAIN CONFIGURATION SCREENS**

**RSMD Main Configuration Screen #1**

**RSMD CONFIGURATION**  
 Dig Comp Safety  
 Stage Off Pos: 11%  
 Period: 120Min



In the 1st box, enter a value from 11 to 50. Default is "11". In the 2nd box, enter a value from 15 to 300. Default is "120".

**RSMD Main Configuration #1 Condenser Options**

**RSM #1 CONFIGURATION**  
 Condenser Options  
 2 Cond per RSMD  
 Use < or > to CHANGE

- 2 Cond per RSMD
- 1 Cond for 1 RSMD
- 1 Cond for 2 RSMDs
- 1 Cond for 3 RSMDs
- 2 Cond for 2 RSMDs
- 1 Cond for 4 RSMDs

Check one of the boxes above. Default is "2 Cond per RSMD".

**RSMD Main Configuration #2 Condenser Options**

**RSM #2 Cond Options**  
 Config Same as RSM 1  
 2 Cond per RSMD  
 Use < or > to CHANGE

- 2 Cond per RSMD
- 1 Cond for 1 RSMD
- 1 Cond for 2 RSMDs
- 1 Cond for 3 RSMDs
- 2 Cond for 2 RSMDs
- 1 Cond for 4 RSMDs

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "2 Cond per RSMD".

**RSMD Main Configuration #3 Condenser Options**

**RSM #3 Cond Options**  
 Config Same as RSM 1  
 2 Cond per RSMD  
 Use < or > to CHANGE

- 2 Cond per RSMD
- 1 Cond for 1 RSMD
- 1 Cond for 2 RSMDs
- 1 Cond for 3 RSMDs
- 2 Cond for 2 RSMDs
- 1 Cond for 4 RSMDs

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "2 Cond per RSMD".

**RSMD Main Configuration #4 Condenser Options**

**RSM #4 Cond Options**  
 Config Same as RSM 1  
 2 Cond per RSMD  
 Use < or > to CHANGE

- 2 Cond per RSMD
- 1 Cond for 1 RSMD
- 1 Cond for 2 RSMDs
- 1 Cond for 3 RSMDs
- 2 Cond for 2 RSMDs
- 1 Cond for 4 RSMDs

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "2 Cond per RSMD".

**RSMD Main Configuration #1 Condenser Control**

**RSM #1 CONFIGURATION**  
 Condenser Control  
 Modulating  
 Use < or > to CHANGE

- Modulating
- On/Off Fan Cycle
- On/Off

Check one of the boxes above. Default is "Modulating".

**RSMD Main Configuration #2 Condenser Control**

**RSM #2 Cond Control**  
 Config Same as RSM 1  
 Modulating  
 Use < or > to CHANGE

- Modulating
- On/Off Fan Cycle
- On/Off

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "Modulating".

**RSMD Main Configuration #3 Condenser Control**

**RSM #3 Cond Control**  
 Config Same as RSM 1  
 Modulating  
 Use < or > to CHANGE

- Modulating
- On/Off Fan Cycle
- On/Off

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "Modulating".

**RSMD Main Configuration #4 Condenser Control**

**RSM #4 Cond Control**  
 Config Same as RSM 1  
 Modulating  
 Use < or > to CHANGE

- Modulating
- On/Off Fan Cycle
- On/Off

Choose the same Condenser option you chose for RSMD #1 for RSMD #2, #3, and #4 from the list above, depending on how many RSMDs you are using. If you choose any other option than the one chosen for RSMD #1, the RSMD will not run properly. Default is "Modulating".



**RSMD #1-#4  
CONFIGURATION  
SUBSCREENS**

**RSMD #1 SS1067 v.3.00  
and Higher**

RSMD #1 v3.xx Only  
RSMD A Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Single On/Off
- Single Digital
- Single 2 Stage
- A1=On/Off A2=On/Off
- A1=Dig A2=On/Off
- A1=Dig A2=Dig
- A1=Dig A2=2-Stage
- A1=2-Stage A2=On/Off
- A1 & A2=2-Stage

**RSMD #1 All Versions –**

RSM#1 CONFIGURATION  
Refrigeration Circuit  
Split  
Use < or > to CHANGE

**Refrigeration Circuit**

- SPLIT
- TANDEM

Check one of the boxes above. Default is “SPLIT”.

**RSMD #1 All Versions –**

RSM#1 CONFIGURATION  
Single Comp Startup  
YES  
Use < or > to CHANGE

**Single Compressor Startup**

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #1 All Versions –  
WSE Operation**

RSM#1 CONFIGURATION  
WSE Operation  
No  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD CONFIGURATION –  
All Modules - All Versions –  
WSE Enabled By**

RSM#1 CONFIGURATION  
WSE Enabled By  
Outdoor Air Temp  
Use < or > to CHANGE

- Outdoor Air Temp
- Return Air Temp

Check one of the boxes above. Default is “Outdoor Air Temp”. **NOTE:** This screen only appears in the RSMD Module 1 screens, but also applies to modules 2, 3 & 4.

**RSMD #1 SS1067 v.1.19  
and Lower – Compressor  
Option**

RSMD #1 v1.19 Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is “DUAL”.

**RSMD #1 SS1067 v.1.19  
and Lower – Compressor  
#1 Type**

RSMD #1 v1.19 Only  
Compressor #1 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #1 SS1067 v.1.19  
and Lower – Compressor  
#2 Type**

RSMD #1 v1.19 Only  
Compressor #2 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #1 SS1067 v.1.19  
and Lower – 2-Stage  
Compressor**

RSMD #1 v1.19 Only  
2-Stage Compressor  
NO  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #1-#4  
CONFIGURATION  
SUBSCREENS**

**RSMD #2 SS1067 v.3.00  
and Higher**

RSMD #2 v3.xx Only  
RSMD B Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Single On/Off
- Single Digital
- Single 2 Stage
- B1=On/Off B2=On/Off
- B1=Dig B2=On/Off
- B1=Dig B2=Dig
- B1=Dig B2=2-Stage
- B1=2-Stage B2=On/Off
- B1 & B2=2-Stage

**RSMD #2 All Versions –**

RSM#2 CONFIGURATION  
Refrigeration Circuit  
Split  
Use < or > to CHANGE

**Refrigeration Circuit**

- SPLIT
- TANDEM

Check one of the boxes above. Default is “SPLIT”.

**RSMD #2 All Versions –**

RSM#2 CONFIGURATION  
Single Comp Startup  
YES  
Use < or > to CHANGE

**Single Compressor Startup**

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #2 All Versions –  
WSE Operation**

RSM#2 CONFIGURATION  
WSE Operation  
No  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #2 SS1067 v.1.19  
and Lower – Compressor  
Option**

RSMD #2 v1.19 Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is “DUAL”.

**RSMD #2 SS1067 v.1.19  
and Lower – Compressor  
#1 Type**

RSMD #2 v1.19 Only  
Compressor #1 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #2 SS1067 v.1.19  
and Lower – Compressor  
#2 Type**

RSMD #2 v1.19 Only  
Compressor #2 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #2 SS1067 v.1.19  
and Lower – 2-Stage  
Compressor**

RSMD #2 v1.19 Only  
2-Stage Compressor  
NO  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #1-#4  
CONFIGURATION  
SUBSCREENS**

**RSMD #3 SS1067 v.3.00  
and Higher**

RSMD #3 v3.xx Only  
RSMD C Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Single On/Off
- Single Digital
- Single 2 Stage
- C1=On/Off C2=On/Off
- C1=Dig C2=On/Off
- C1=Dig C2=Dig
- C1=Dig C2=2-Stage
- C1=2-Stage C2=On/Off
- C1 & C2=2-Stage

**RSMD #3 All Versions –**

RSM#3 CONFIGURATION  
Refrigeration Circuit  
Split  
Use < or > to CHANGE

**Refrigeration Circuit**

- SPLIT
- TANDEM

Check one of the boxes above. Default is “SPLIT”.

**RSMD #3 All Versions –**

RSM#3 CONFIGURATION  
Single Comp Startup  
YES  
Use < or > to CHANGE

**Single Compressor Startup**

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #3 All Versions –  
WSE Operation**

RSM#3 CONFIGURATION  
WSE Operation  
No  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #3 SS1067 v.1.19  
and Lower – Compressor  
Option**

RSMD #3 v1.19 Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is “DUAL”.

**RSMD #3 SS1067 v.1.19  
and Lower – Compressor  
#1 Type**

RSMD #3 v1.19 Only  
Compressor #1 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #3 SS1067 v.1.19  
and Lower – Compressor  
#2 Type**

RSMD #3 v1.19 Only  
Compressor #2 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #3 SS1067 v.1.19  
and Lower – 2-Stage  
Compressor**

RSMD #3 v1.19 Only  
2-Stage Compressor  
NO  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #1-#4  
CONFIGURATION  
SUBSCREENS**

**RSMD #4 SS1067 v.3.00  
and Higher**

RSMD #4 v3.xx Only  
RSMD D Comp Config  
Not Configured  
Use < or > to CHANGE

- Not Configured
- Single On/Off
- Single Digital
- Single 2 Stage
- D1=On/Off D2=On/Off
- D1=Dig D2=On/Off
- D1=Dig D2=Dig
- D1=Dig D2=2-Stage
- D1=2-Stage D2=On/Off
- D1 & D2=2-Stage

**RSMD #4 All Versions –**

RSM#4 CONFIGURATION  
Refrigeration Circuit  
Split  
Use < or > to CHANGE

**Refrigeration Circuit**

- SPLIT
- TANDEM

Check one of the boxes above. Default is “SPLIT”.

**RSMD #4 All Versions –**

RSM#4 CONFIGURATION  
Single Comp Startup  
YES  
Use < or > to CHANGE

**Single Compressor Startup**

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #4 All Versions –  
WSE Operation**

RSM#4 CONFIGURATION  
WSE Operation  
No  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.

**RSMD #4 SS1067 v.1.19  
and Lower – Compressor  
Option**

RSMD #4 v1.19 Only  
Compressor Option  
DUAL  
Use < or > to CHANGE

- DUAL
- SINGLE

Check one of the boxes above. Default is “DUAL”.

**RSMD #4 SS1067 v.1.19  
and Lower – Compressor  
#1 Type**

RSMD #4 v1.19 Only  
Compressor #1 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #4 SS1067 v.1.19  
and Lower – Compressor  
#2 Type**

RSMD #4 v1.19 Only  
Compressor #2 Type  
MODULATING  
Use < or > to CHANGE

- MODULATING
- FIXED

Check one of the boxes above. Default is “MODULATING”.

**RSMD #4 SS1067 v.1.19  
and Lower – 2-Stage  
Compressor**

RSMD #4 v1.19 Only  
2-Stage Compressor  
NO  
Use < or > to CHANGE

- YES
- NO

Check one of the boxes above. Default is “NO”.