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:
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
_______________________________________________________________________________________
### Configuration Screen #1

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Scaling</td>
</tr>
<tr>
<td>Fahrenheit</td>
</tr>
</tbody>
</table>

Fahrenheit
Celsius

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

### Configuration Screen #2

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM#1 Installed: NO</td>
</tr>
<tr>
<td>RSM#2 Installed: NO</td>
</tr>
</tbody>
</table>

RSM#1 RSM#2
NO NO
YES YES

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

### Configuration Screen #3

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM#3 Installed: NO</td>
</tr>
<tr>
<td>RSM#4 Installed: NO</td>
</tr>
</tbody>
</table>

RSM#3 RSM#4
NO NO
YES YES

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

### Configuration Screen #4

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM Type:</td>
</tr>
<tr>
<td>VFD</td>
</tr>
</tbody>
</table>

VFD
DIGITAL

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

### Configuration Screen #5

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM1 Installed: NO</td>
</tr>
</tbody>
</table>

NO YES

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

### Configuration Screen #6

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHGRV Installed: NO</td>
</tr>
<tr>
<td>MODGAS Installed: NO</td>
</tr>
</tbody>
</table>

MHGRV MODGAS
NO NO
YES YES

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

### Configuration Screen #7

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>12RLY Installed: NO</td>
</tr>
</tbody>
</table>

Use < Or > To Change

NO YES

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

### Configuration Screen #8

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preheat-X Installed: NO</td>
</tr>
</tbody>
</table>

Use < Or > To Change

NO YES

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

### Configuration Screen #9

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC Source</td>
</tr>
<tr>
<td>Supply Air</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above. Default is “Supply Air”.

### Configuration Screen #10

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC Mode Set By Remote Contact: NO</td>
</tr>
</tbody>
</table>

NO YES

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

### Configuration Screen #11

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT Reset Source No Reset</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above. Default is “No Reset”.

### Configuration Screen #12

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reset Interval Rate:</td>
</tr>
</tbody>
</table>

[1 - 255 Seconds]

Enter 1 to 255 seconds above. Default is “30 Seconds”.

### Configuration Screen #13

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space Sensor Type None</td>
</tr>
</tbody>
</table>

None
Analog
E-BUS Space/ RH
Receive Broadcast
Remote Sensor

Check one of the boxes above. Default is “None”.

### Configuration Screen #14

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Space Sensor Board Address: 0</td>
</tr>
</tbody>
</table>

Enter the address. Default is “0”.

### Configuration Screen #15

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor Sensor Type None</td>
</tr>
</tbody>
</table>

None
Analog
E-BUS OAT/ RH
Receive Broadcast

Check one of the boxes above. Default is “None”.

---

**VCC-X Configuration Sheet – 3-30-16**
Configuration Screen #16

- VCC-X Cnfg ID 101
- Return Sensor Type
  - None
  - Analog
  - E-BUS Return/RH

Check one of the boxes above. Default is “NONE”.

Configuration Screen #17

- VCC-X Cnfg ID 101
- Static Pr Control
  - Fan VFD
  - Use < Or > To Change

None
Fan VFD
Bypass Damper

Check one of the boxes above. Default is “Fan VFD”.

Configuration Screen #18

- VCC-X Cnfg ID 101
- Static/Fan Control
  - Rate: 10 s
  - [ 1 – 30 Seconds ]

Enter 1 to 30 seconds above. Default is “10 seconds”.

Configuration Screen #19

- VCC-X Cnfg ID 101
- Static Pr Control
  - Max Adjust: 5%
  - [ 1 – 30% ]

Enter 1 to 30 percent above. Default is “5 percent”.

Configuration Screen #20

- VCC-X Cnfg ID 101
- 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 #21

- VCC-X Cnfg ID 101
- Fan Cycle Mode
  - NO
  - Use < Or > To Change

NO
YES

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

Configuration Screen #22

- VCC-X Cnfg ID 101
- Fan Proving
  - NO
  - Use < Or > To Change

NO
YES

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

Configuration Screen #23

- VCC-X Cnfg ID 101
- 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 #24

- VCC-X Cnfg ID 101
- Purge Mode
  - Delay: 10 s
  - [ 0 – 900 Seconds ]

Enter 0 to 900 seconds above. Default is “10 seconds”.

Configuration Screen #25

- VCC-X Cnfg ID 101
- 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 #26

- VCC-X Cnfg ID 101
- 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 #27

- VCC-X Cnfg ID 101
- Cool Type
  - Refrigeration Module
  - Use < Or > To Change

Refrigeration Module
Staged Only
Mod Only

Check one of the boxes above. Default is “Refrigeration Module”.

VCC-X Setup Sheet

VCC-X Configuration Sheet – 3-30-16
### Configuration Screen #28

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Mech Heat/Cool</th>
<th>Alarm Delay: 15 Min</th>
</tr>
</thead>
</table>

Enter 0 to 240 minutes above. Default is “15 Minutes”.

### Configuration Screen #29

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Econo Control Type</th>
<th>No Economizer</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

No Economizer  
Standard Economizer  
IAQ Economizer (Economizer with CO₂ Override)  
Check one of the boxes above. Default is “No Economizer”.

### Configuration Screen #30

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Title 24</th>
<th>Economizer: NO</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

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

### Configuration Screen #31

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Econo Control In</th>
<th>Unoc Mode: NO</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

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

### Configuration Screen #32

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Eco Enable Source</th>
<th>Dry bulb</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

Dry bulb  
Wet bulb (OA RH Sensor needed)  
Dew point (OA RH Sensor needed)  
Check one of the boxes above. Default is “Dry bulb”.

### Configuration Screen #33

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Econo Control</th>
<th>Rate: 10 s</th>
<th>Prop Window: 10°F</th>
</tr>
</thead>
</table>

In the first box, enter 1 to 30. Default is “10 seconds”. In the second box, enter 0 to 100. Default is “10 degrees F”.

### Configuration Screen #34

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Econo Voltage Output</th>
<th>Min Volts: 2.0 VDC</th>
<th>Min Volts: 10.0 VDC</th>
</tr>
</thead>
</table>

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 #35

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>CO₂ Sensor Installed</th>
<th>NO</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

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

### Configuration Screen #36

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Building Pr. Installed</th>
<th>None</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

None  
Analog  
Receive Broadcast  
Check one of the boxes above. Default is “None”.

### Configuration Screen #37

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Building Pr. Control</th>
<th>None</th>
<th>Use &lt; Or &gt; To Change</th>
</tr>
</thead>
</table>

None  
On/Off Exhaust Relay  
Modulating Exhaust  
Outdoor Air Damper  
Supply Fan  
Check one of the boxes above. Default is “None”.

### Configuration Screen #38

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Building Pr. Control</th>
<th>Rate: 10 Sec</th>
<th>Max Adjust: 5%</th>
</tr>
</thead>
</table>

[ 1 – 30 Seconds ]  
Enter 1 to 30 seconds. Default is “10 seconds”.

### Configuration Screen #39

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>Building Pr. Control</th>
<th>Max Adjust: 5%</th>
<th>[ 1 – 30% ]</th>
</tr>
</thead>
</table>

Enter 1 to 30. Default is “5 percent”.

---

**VCC-X Configuration Sheet – 3-30-16**
Configuration Screen #40

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Exh Fan Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min Volts: 0.0 VDC</td>
</tr>
<tr>
<td>Max Volts: 10.0 VDC</td>
</tr>
</tbody>
</table>

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 #41

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Heat Pump Config</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Heat Pump</td>
</tr>
</tbody>
</table>

No Heat Pump

Air/Air Fail to Heat

Air/Air Fail to Cool

WSHP Fail to Heat

WSHP Fail to Cool

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

Configuration Screen #42

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 WSHP Glycol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage: 0%</td>
</tr>
</tbody>
</table>

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

Configuration Screen #43

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Aux Heat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Aux Heat</td>
</tr>
</tbody>
</table>

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 #44

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Dehum. Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

None

Only Occupied Vent

Only Vent Anytime

All Modes Occupied

All Modes Anytime

Check one of the boxes above. Default is “None”.

Configuration Screen #45

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Humidity Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor: Space</td>
</tr>
</tbody>
</table>

Space Return

Outdoor E-BUS

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

Configuration Screen #46

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Reheat Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

None

On/Off HGR Relay

Modulating HGR

Unit Heat

Mod HGR + Unit Heat

On/Off HGR + Unit Heat

Check one of the boxes above. Default is “None”.

Configuration Screen #47

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Airflow Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paragon</td>
</tr>
</tbody>
</table>

Paragon

Ebtron

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

Configuration Screen #48

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor OA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #49

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Control Outdoor Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM: NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #50

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Outdoor Airflow Duct Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
</tr>
</tbody>
</table>

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

Configuration Screen #51

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor SA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #52

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Supply Airflow Duct Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
</tr>
</tbody>
</table>

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

Configuration Screen #53

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor RA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #54

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor OA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #55

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor OA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #56

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor OA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

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

Configuration Screen #57

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101 Monitor OA Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

NO

YES

Check one of the boxes above. Default is “NO”. 
VCC-X Setup Sheet

Configuration Screen #54

VCC-X Cnfg ID 101
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 #55

VCC-X Cnfg ID 101
Monitor Exh Airflow
NO
Use < Or > To Change

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

Configuration Screen #56

VCC-X Cnfg ID 101
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 #57

VCC-X Cnfg ID 101
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 #58

VCC-X Cnfg ID 101
AHU Uses Schedule
Number: 0
[ ‘0’ For Internal ]

Enter 0-8. Default is “0”.

Configuration Screen #59

VCC-X Cnfg ID 101
Daylight Adjustment
Start Date: 0000
Stop Date: 0000

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

Configuration Screen #60

VCC-X Cnfg ID 101
Trend Log
Rate: 15 Min
[ 1 – 120 Minutes ]

Enter 1 to 120 minutes. Default is “15 minutes”.

Configuration Screen #61

VCC-X Cnfg ID 101
Emergency Shutdown
NO
Use < Or > To Change

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

Configuration Screen #62

VCC-X Cnfg ID 101
Dirty Filter
NO
Use < Or > To Change

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

Configuration Screen #63

VCC-X Cnfg ID 101
Broadcast OA Temp
NO
Use < Or > To Change

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

Configuration Screen #64

VCC-X Cnfg ID 101
Broadcast OA RH
NO
Use < Or > To Change

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

Configuration Screen #65

VCC-X Cnfg ID 101
Broadcast SPC RH
NO
Use < Or > To Change

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

Configuration Screen #66

VCC-X Cnfg ID 101
Broadcast SPC Temp
NO
Use < Or > To Change

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

Configuration Screen #67

VCC-X Cnfg ID 101
Broadcast Build. Pr.
NO
Use < Or > To Change

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

Configuration Screen #68

VCC-X Cnfg ID 101
Broadcast CO2
NO
Use < Or > To Change

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

VCC-X Configuration Sheet – 3-30-16
**Configuration Screen #69**

- **VCC-X Cnfg ID 101**
  - Broadcast to Boxes
  - NO
  - Use < Or > To Change

NO

YES

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

**Configuration Screen #70**

- **VCC-X Cnfg ID 101**
  - 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 #71**

- **VCC-X Cnfg ID 101**
  - 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 #72**

- **VCC-X Cnfg ID 101**
  - 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 #73**

- **VCC-X Cnfg ID 101**
  - 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 #74**

- **VCC-X Cnfg ID 101**
  - 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 #75**

- **VCC-X Cnfg ID 101**
  - 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 #76**

- **VCC-X Cnfg ID 101**
  - Return Air Bypass Control: NO
  - Use < Or > To Change

NO

YES

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

**Configuration Screen #77**

- **VCC-X Cnfg ID 101**
  - 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”.
Relays #2 through #24 can be individually configured. By using the 7 relay outputs available on the VCC-X 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 #78**

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Relay 2</td>
</tr>
<tr>
<td>Not Used</td>
</tr>
<tr>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

**Configuration Screen #79**

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Relay 3</td>
</tr>
<tr>
<td>Not Used</td>
</tr>
<tr>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

**Configuration Screen #80**

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Relay 4</td>
</tr>
<tr>
<td>Not Used</td>
</tr>
<tr>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

**Configuration Screen #81**

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Relay 5</td>
</tr>
<tr>
<td>Not Used</td>
</tr>
<tr>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

**Configuration Screen #82**

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Relay 6</td>
</tr>
<tr>
<td>Not Used</td>
</tr>
<tr>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.
### VCC-X Setup Sheet

#### Configuration Screen #83

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>On-Board Relay 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

#### Configuration Screen #84

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>On-Board Relay 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

#### Configuration Screen #85

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>EM1 Relay 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

#### Configuration Screen #86

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>EM1 Relay 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

#### Configuration Screen #87

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>EM1 Relay 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.

#### Configuration Screen #88

<table>
<thead>
<tr>
<th>VCC-X Cnfg ID 101</th>
<th>EM1 Relay 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Used</td>
<td>Use &lt; Or &gt; To Change</td>
</tr>
</tbody>
</table>

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

Check one of the boxes above.
Configuration Screen #89

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

Check one of the boxes above.

Configuration Screen #90

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

Check one of the boxes above.

Configuration Screen #91

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

Check one of the boxes above.

Configuration Screen #92

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

Check one of the boxes above.

Configuration Screen #93

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

Check one of the boxes above.

Configuration Screen #94

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

Check one of the boxes above.
Check one of the boxes above.

Check one of the boxes above.

Check one of the boxes above.
Configuration Screen #101

VCC-X Cnfg ID 101
12 Rly Bd 12
Not Used
Use < Or > To Change

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

Check one of the boxes above.
## Setpoint Screen #1

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 110</td>
<td>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”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #2

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 110</td>
<td>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”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #3

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 30</td>
<td>In the first box above enter a value from 0 to 30. The default value is “30” and indicates no Unoccupied operation will occur.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #4

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0°F</td>
<td>In the box above enter a value from 1 to 10. The default value is “1”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #5

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°F</td>
<td>In the box above enter a value from 0 to 10. The default value is “0”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #6

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>Once the slider is in the up position, wait for the value on line 3 to stop changing. Once it stops changing, enter this value on line 4.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #7

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>Once the slider is in the middle position, wait for the value on line 3 to stop changing. Once it stops changing, enter this value on line 4.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #8

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>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.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #9

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 Hr</td>
<td>In the box above enter a value from 0 to 8.0. The default value is “2.0”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #10 & 11

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.0°F</td>
<td>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.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #12

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>55°F</td>
<td>In the box above enter a value from 35 to 80. The default value is “55”.</td>
</tr>
</tbody>
</table>

## Setpoint Screen #13

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>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 VCC-X Controller Operator Interfaces SD Technical Guide for detailed information.</td>
</tr>
</tbody>
</table>
### VCC-X Setpoints Worksheet

#### Setpoint Screen #14

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>Coil Temp Setpt</th>
<th>Hi Rst Lmt: 45°F</th>
<th>Lo Rst Lmt: 40°F</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>Static Pressure</th>
<th>Setpt: 1.50&quot;WG</th>
<th>Deadband: 0.10&quot;WG</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>VFD Speed Limits</th>
<th>Min Cool: 30%</th>
<th>Min Vent: 20%</th>
</tr>
</thead>
</table>

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 #19.

#### Setpoint Screen #17

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>VFD Speed Limits</th>
<th>Min Heat: 50%</th>
<th>Max Heat: 100%</th>
</tr>
</thead>
</table>

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 #21. 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 #18

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>Supply Air Cooling</th>
<th>Spt: 55°F</th>
<th>Hi Rst Lmt: 55°F</th>
</tr>
</thead>
</table>

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 #19

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>Cool Rst Source Spts</th>
<th>High Reset: 75°F</th>
<th>Low Reset: 70°F</th>
</tr>
</thead>
</table>

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 #19 in the VCC-X Controller Operator Interfaces SD Technical Guide for detailed information.

In the first box above enter a value from 1 to 150. The default value is “75”. In the second box above enter a value from -10 to 150. The default value is “70”.

#### Setpoint Screen #20

<table>
<thead>
<tr>
<th>VCC-X Spts ID 101</th>
<th>Supply Air Heating</th>
<th>Setpt: 120</th>
<th>Hi Rst Limit: 120</th>
</tr>
</thead>
</table>

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”.

---

**VCC-X Spts ID 101**

- **Coil Temp Setpt**: Hi Rst Lmt: 45°F, Lo Rst Lmt: 40°F
- **VFD Speed Limits**: Min Cool: 30%, Min Vent: 20%
- **Supply Air Cooling**: Spt: 55°F, Hi Rst Lmt: 55°F
- **Supply Air Heating**: Setpt: 120, Hi Rst Limit: 120
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 VCC-X Controller Operator Interfaces SD Technical Guide for detailed information.

In the first box above enter a value from 1 to 150. The default value is “75”. In the second box above enter a value from -30 to 150. The default value is “70”.

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”.

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”.

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”.

In the first box above enter a value from 240 to 420. The default value is “340”. In the second box above enter a value from 240 to 420. The default value is “390”.

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

In the first box above enter a value from 245 to 470. The default value is “310”. In the second box above enter a value from 35 to 100. The default value is “50”.

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

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”.

In the first box above enter a value from 200 to 350. The default value is “235”. In the second box above enter a value from 200 to 350. The default value is “350”.
In the box above enter a value from -30 to 80. The default value is “55”.

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

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

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”.

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. Position on Setpoint Screen #30 above). The default value is “50”.

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”.

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

In the first box above enter a value from -30 to 100. The default value is “35”. In the second box above enter a value from -30 to 100. The default value is “35”.
Setpoint Screen #38

VCC-X Spts ID 101
OAT Lockouts
Heat: 90°F

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

Setpoint Screen #39

VCC-X Spts ID 101
Supply Air Cutoffs
Cooling: 40°F
Heating: 150°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 #40

VCC-X Spts ID 101
Mod Heat Output Pos
In Off Mode: 0%

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

Setpoint Screen #41

VCC-X Spts ID 101
Preheat Relay
Setpt: 30°F

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

Setpoint Screen #42

VCC-X Spts ID 101
Low Ambient
Setpt: 30°F

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

Setpoint Screen #43

VCC-X Spts ID 101
Heat Pump Defrost
Interval: 30 Min

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

Setpoint Screen #44

VCC-X Spts ID 101
Adaptive Defrost
Interval Adj: 0 Min

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

Setpoint Screen #45

VCC-X Spts ID 101
Heat Wheel Defrost
Temp Setpt: 30°F

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

Setpoint Screen #46

VCC-X Spts ID 101
Morning Warmup
Max Length: 60 Min
Target Temp: 70°F

In the first box above enter a value from 0 to 240. The default value is “60”.
In the second box above enter a value from 50 to 90. The default value is “70”.

Setpoint Screen #47

VCC-X Spts ID 101
SZ VAV Integral
Constant: 0

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

Setpoint Screen #48

VCC-X Spts ID 101
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 #49

VCC-X Spts ID 101
Warmup Supply Air
Setpoint: 100.0°F

In the box above enter a value from 40 to 240. The default value is “100”.
Setpoint Screen #50

VCC-X Spts ID 101
Cooldown Supply Air
Setpoint: 55.0°F

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

Setpoint Screen #51

VCC-X Spts ID 101
Preheat-X Spts
Cooling Mode: 40.0°F
Heating Mode: 60.0°F

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”.

Setpoint Screen #52

VCC-X Spts ID 101
Preheat-X Spts
Vent Mode: 50.0°F

In the box above enter a value from 35 to 90. The default value is “50”.

Setpoint Screen #53

VCC-X Spts ID 101
Superheat
Setpoint: 15.0°F

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

Setpoint Screens #54-58

Setpoint Screens #54 through #58 allow you to calibrate any sensors that are not reading correctly. In the boxes above for the sensor(s) you wish to calibrate, enter a value from -100 to +100 (-500 to +500 for the CO2 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.

VCC-X Spts ID 101
Space Sensor Cal
Current: 0.0°F
Offset: 0.0°F

VCC-X Spts ID 101
Return Sensor Cal
Current: 0.0°F
Offset: 0.0°F

VCC-X Spts ID 101
SAT Sensor Cal
Current: 0.0°F
Offset: 0.0°F

VCC-X Spts ID 101
OAT Sensor Cal
Current: 0.0°F
Offset: 0.0°F

VCC-X Spts ID 101
CO2 Sensor Cal
Current: 0ppm
Offset: 0ppm
# RSMV & RSMV-HP Configuration Screens

## RSMV #1 Configuration

### Screen #1

<table>
<thead>
<tr>
<th>RSM 1 Configuration Compressor Option</th>
<th>DUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **DUAL** or **SINGLE**. Default is **DUAL**.

## RSMV #2 Configuration

### Screen #1

<table>
<thead>
<tr>
<th>RSM 2 Configuration Compressor Option</th>
<th>DUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **DUAL** or **SINGLE**. Default is **DUAL**.

### Screen #2

<table>
<thead>
<tr>
<th>1st VFD / 2nd FIXED</th>
<th>BOTH ARE FIXED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **1st VFD / 2nd FIXED** or **BOTH ARE FIXED**. Default is **1st VFD / 2nd FIXED**.

### Screen #3

<table>
<thead>
<tr>
<th>Evap Coil Exv</th>
<th>Uses EXV-1 Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **Uses EXV-1 Only**. Default is “Uses EXV-1 Only.”

### Screen #4

<table>
<thead>
<tr>
<th>Heat Pump Cond Exv</th>
<th>Uses EXV-3 Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **Uses EXV-3 Only**. Default is “Uses EXV-3 Only.”

## RSMV #3 Configuration

### Screen #1

<table>
<thead>
<tr>
<th>RSM 3 Configuration Compressor Option</th>
<th>DUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **DUAL** or **SINGLE**. Default is **DUAL**.

### Screen #2

<table>
<thead>
<tr>
<th>1st VFD / 2nd FIXED</th>
<th>BOTH ARE FIXED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **1st VFD / 2nd FIXED** or **BOTH ARE FIXED**. Default is **1st VFD / 2nd FIXED**.

### Screen #3

<table>
<thead>
<tr>
<th>Evap Coil Exv</th>
<th>Uses EXV-1 Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **Uses EXV-1 Only**. Default is “Uses EXV-1 Only.”

### Screen #4

<table>
<thead>
<tr>
<th>Heat Pump Cond Exv</th>
<th>Uses EXV-3 Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; to CHANGE</td>
<td></td>
</tr>
</tbody>
</table>

Select **Uses EXV-3 Only**. Default is “Uses EXV-3 Only.”
RSMV #4 Configuration
Screen #1

RSM 4 Configuration
Compressor Option
DUAL
Use < or > to CHANGE

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

RSMV #4 Configuration
Screen #2

RSM 4 Configuration
Compressor Type
1st VFD / 2nd FIXED
Use < or > to CHANGE

1st VFD / 2nd FIXED
BOTH ARE FIXED
Check one of the boxes above. Default is “1st VFD / 2nd FIXED”.

RSMV #4 Configuration
Screen #3

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 Configuration
Screen #4

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.”
### RSMD Main Configuration Screens

**RSMD Main Configuration Screen #1**

- **RSMD Configuration**
  - Digital Compressor
  - Min Position: 0%

Enter a value from 0 to 100. The default value is “0”.

**RSMD Main Configuration Screen #2**

- **RSMD #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

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

**RSMD Main Configuration Screens #3-5**

- **RSMD 2-4 Cond Options**
  - Config Same as RSMD 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

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”.

### RSM #1 Configuration Screens

**RSM #1 Configuration Screen #1**

- **RSM 1 Configuration Compressor Option**
  - DUAL
  - Use < or > to CHANGE

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

**RSM #1 Configuration Screen #2**

- **RSM 1 Configuration Compressor #1 Type**
  - MODULATING
  - Use < or > to CHANGE

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

**RSM #1 Configuration Screen #3**

- **RSM 1 Configuration Compressor #2 Type**
  - MODULATING
  - Use < or > to CHANGE

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

**RSM #1 Configuration Screen #4**

- **RSM 1 Configuration Refrigerant Circuit**
  - SPLIT
  - Use < or > to CHANGE

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

**RSM #2 Configuration Screen #1**

- **RSM 2 Configuration Compressor Option**
  - DUAL
  - Use < or > to CHANGE

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

**RSM #2 Configuration Screen #2**

- **RSM 2 Configuration Compressor #1 Type**
  - MODULATING
  - Use < or > to CHANGE

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

**RSM #1 Configuration Screen #5**

- **RSM 1 Configuration Fan Cycle Control**
  - NO
  - Use < or > to CHANGE

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

**RSM #1 Configuration Screen #6**

- **RSM 1 Configuration Fixed Condenser Fan**
  - NO
  - Use < or > to CHANGE

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

**RSM #2 Configuration Screen #1**

- **RSM 2 Configuration Compressor Option**
  - DUAL
  - Use < or > to CHANGE

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

**RSM #2 Configuration Screen #2**

- **RSM 2 Configuration Compressor #1 Type**
  - MODULATING
  - Use < or > to CHANGE

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

VCC-X Setpoints Worksheet
RSM #4 Configuration
Screen #3

RSM 3 Configuration
Compressor #2 Type
MODULATING
Use < or > to CHANGE

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

RSM #4 Configuration
Screen #4

RSM 4 Configuration
Refrigerant Circuit
SPLIT
Use < or > to CHANGE

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

RSM #4 Configuration
Screen #5

RSM 4 Configuration
Fan Cycle Control
NO
Use < or > to CHANGE

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

RSM #4 Configuration
Screen #6

RSM 4 Configuration
Fixed Condenser Fan
NO
Use < or > to CHANGE

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

VCC-X Setpoints Worksheet

VCC-X Setpoints 5-17-17