Enter The Unit Tag Numbers For The HVAC Units
To Be Configured Per This Setpoint Worksheet:
### Configuration Screen #1

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Duct Static Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control: YES</td>
<td></td>
</tr>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #2

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Supply Fan Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode: NO</td>
<td></td>
</tr>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #3

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>HVAC Mode Enable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Air</td>
<td></td>
</tr>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **Supply Air**
- **Outdoor Air**
- **Space Temperature**
- **Return Air**
- **Supply Air / Tempering**

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

### Configuration Screen #4

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>HVAC Reset Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reset</td>
<td></td>
</tr>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **No Reset**
- **Space Sensor**
- **Return Air Sensor**
- **Remote Reset Signal**
- **Fan VFD Percentage**
- **Outdoor Sensor**
- **Single Zone VAV**
- **SZ VAV w/ CV Heat**

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

### Configuration Screen #5

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>HVAC Reset Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate: 20 s</td>
<td>[1-255 Seconds]</td>
</tr>
</tbody>
</table>

Enter 1 to 255 seconds above. Default is 10 Seconds.

### Configuration Screen #6

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Dehumidification Control: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #7

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Dehumidification Priority: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #8

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Dehumidification Unoccupied: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #9

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Outdoor Humidity Sensor: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #10

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Indoor Humidity Sensor: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #11

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Heat During Dehumidify: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #12

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Economizer Control: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #13

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Title 24 Economizer: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #14

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Proof Of Flow Input: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use &lt; or &gt; To Change</td>
<td></td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

### Configuration Screen #15

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Mod Cooling: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mod Heating: NO</td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

- **NO**
- **YES**

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

* Does not apply to ModGas heating.
Configuration Screen #16

VCM-X Cfg ID 59
Mod Heating
Output Signal: 0
Use < or > To Change

0-10V
2-10V
Check one of the boxes above. Default is “0-10V”.

Configuration Screen #17

VCM-X Cfg ID 59
Mod Heating
Rev Acting: NO
Use < or > To Change

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

Configuration Screen #18

VCM-X Cfg ID 59
Mod Heating
Prop. Window: 10°F
Time Period: 5 s

In the first box above enter a value from 5 to 30. The default value is “10”.
In the second box above enter a value from 5 to 255. The default value is “5”.

Configuration Screen #19

VCM-X Cfg ID 59
Mod Cooling
Output Signal: 0
[0=0-10V 1=2-10V]

0-10V
2-10V
Check one of the boxes above. Default is “0-10V”.

Configuration Screen #20

VCM-X Cfg ID 59
Digital Compressor
Signal 1-5V: NO
Use < or > To Change

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

Configuration Screen #21

VCM-X Cfg ID 59
Mod Cooling
Rev Acting: NO
Use < or > To Change

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

Configuration Screen #22

VCM-X Cfg ID 59
Mod Cooling
Prop. Window: 10°F
Time Period: 5 s

In the first box above enter a value from 5 to 30. The default value is “10”.
In the second box above enter a value from 5 to 255. The default value is “5”.

Configuration Screen #23

VCMX-M/HP Cfg ID 102
Head Pressure
Module Installed: NO
Use < or > To Change

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

Configuration Screen #24

VCMX-M/HP Cfg ID 102
Type of Head Pr.
Module: 1 Condenser
Use < or > To Change

1
2
Check one of the boxes above. Default is “1 Condenser”.

Configuration Screen #25

VCMX-M/HP Cfg ID 102
Full Digital
Module Installed: NO
Use < or > To Change

NO
YES
Check one of the boxes above. Default is “NO”. (This screen appears when using the OE332-23-VCM-X-MOD-A).

Configuration Screen #26

VCM-X Cfg ID 59
Airflow Station:
Paragon
Use < or > To Change

PARAGON
EBTRON
Check one of the boxes above. Default is “PARAGON”. Choose EBTRON for GREENTROL.

Configuration Screen #27

VCM-X Cfg ID 59
Monitor Outdoor
Air CFM: NO
Use < or > To Change

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

Configuration Screen #28

VCM-X Cfg ID 59
Control Outdoor
Air CFM: NO
Use < or > To Change

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

Configuration Screen #29

VCM-X Cfg ID 59
Outdoor Duct/Damper
Size: 0.00
[Area in sq. ft.]

Enter the inside area in square feet of the outdoor air duct/damper, accurate to two decimal places.

Configuration Screen #30

VCM-X Cfg ID 59
Monitor Return
Air CFM: NO
Use < or > To Change

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

VCM-X Configuration
Enter the inside area in square feet of the return air duct/damper, accurate to two decimal places.

**Configuration Screen #32**

VCM-X Cnfg ID 59
Monitor Supply
Air CFM: NO
Use < or > To Change

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

Enter the inside area in square feet of the supply air duct/damper, accurate to two decimal places.

**Configuration Screen #33**

VCM-X Cnfg ID 59
Supply Duct/Damper
Size: 0.00
[Area in sq. ft.]

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

**Configuration Screen #34**

VCM-X Cnfg ID 59
CO2 Sensor
Output Signal: None
Use < or > To Change

None
4-20 mA
0-10 VDC
Check one of the boxes above. Default is “None”.

**Configuration Screen #35**

VCM-X Cnfg ID 59
CO2 Sensor Maximum Scale: 2000 PPM
Enter 0 If No Sensor

Enter a value from 0 to 20000. The default value is “2000” and is based on the sensor you are using. Enter “2000” if you are using the AAON or WattMaster CO2 Sensor.

**Configuration Screen #36**

VCM-X Cnfg ID 59
Building Pressure
Mod Control: NO
Use < or > To Change

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

**Configuration Screen #37**

VCM-X Cnfg ID 59
Building Pressure
Rev Acting: NO
Use < or > To Change

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

**Configuration Screen #38**

VCM-X Cnfg ID 59
Building Pressure
Output Signal: 0-10V
Use < or > To Change

0-10V
2-10V
Check one of the boxes above. Default is “0-10V”.

**Configuration Screen #39**

VCM-X Cnfg ID 59
Heat Pump
Control: NO
Use < or > To Change

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

**Configuration Screen #40**

VCM-X Cnfg ID 59
Rev. Valve Active For: Heat
Use < or > To Change

Heat
Cool
Check one of the boxes above. Default is “Heat”.

**Configuration Screen #41**

VCM-X Cnfg ID 59
Emergency Shutdown
Input: NO
Use < or > To Change

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

**Configuration Screen #42**

VCM-X Cnfg ID 59
Return Air Bypass
Control: NO
Use < or > To Change

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

**Configuration Screen #43**

VCM-X Cnfg ID 59
Broadcast Outdoor Temperature: NO
Use < or > To Change

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

**Configuration Screen #44**

VCM-X Cnfg ID 59
Broadcast Outdoor Humidity: NO
Use < or > To Change

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

**Configuration Screen #45**

VCM-X Cnfg ID 59
Broadcast Supply Temperature: NO
Use < or > To Change

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

---
### VCM-X Setpoints Worksheet

#### Configuration Screen #46

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Broadcast Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fan &amp; Heat: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #47

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Broadcast Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Time Clock: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #48

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Broadcast Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Schedule: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #49

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Broadcast VAV Boxes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Force To Max: YES</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #50

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Broadcast VAV Boxes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Force To Fixed: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #51

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>1 HVAC Unit w/ Boxes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>On Multiple Loops: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #52

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Unit Uses R410A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Refrigerant: NO</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #53

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Max Main Fan Aout Voltage: XX.X VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This screen will appear if you are using a VCM-X Modular Controller (OE332-23-VCMX-MOD-A or OE332-23-VCMX-MOD-C) or a VCM-X WSHP Controller (OE332-23-VCMX-WSHP-A or OE332-23-VCMX-WSHP-C).

In the box above enter a value from 0 to 10. This is the maximum voltage that the Analog Output for the Fan VFD will reach. Default = “10.0 VDC”.

#### Configuration Screen #54

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>1 C-Fan Output Per: Condenser:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #55

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Preheat-X Module Installed:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

#### Configuration Screen #56

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Cooling Stage Delays Stage Up:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stage Down: 1 Min</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

**NO**

**YES**

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

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 #57

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Cooling Stage Delays</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min Run Time: 5 Min</td>
</tr>
<tr>
<td></td>
<td>Min Off Time: 3 Min</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

In the first box above enter a value from 3 to 15. The default value is “5”. In the second box above enter a value from 1 to 15. The default value is “3”.

#### Configuration Screen #58

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Heating Stage Delays</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stage Up: 3 Min</td>
</tr>
<tr>
<td></td>
<td>Stage Down: 1 Min</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

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 #59

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Heating Stage Delays</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min Run Time: 2 Min</td>
</tr>
<tr>
<td></td>
<td>Min Off Time: 1 Min</td>
</tr>
<tr>
<td></td>
<td>Use &lt; or &gt; To Change</td>
</tr>
</tbody>
</table>

In the first box above enter a value from 2 to 15. The default value is “2”. In the second box above enter a value from 1 to 15. The default value is “1”.

---

**VCM-X Configuration**

---
Check one of the boxes above. Default is “Not Used”.

Relays #2 through #21 can be individually configured. By using the 4 relay outputs available on the VCM-X Controller the 4 relays on the VCM-X Expansion Module, and the 12 Relays on the 12 Relay Expansion Module, you have the ability to configure up to a combined total of 20, 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 #65

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 7: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

### Configuration Screen #66

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 8: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

### Configuration Screen #67

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 9: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

### Configuration Screen #68

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 10: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

### Configuration Screen #69

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 11: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

### Configuration Screen #70

<table>
<thead>
<tr>
<th>VCM-X Cnfg ID 59</th>
<th>Relay Configurations</th>
<th>Rly 12: Not Used</th>
<th>Use &lt; or &gt; To Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Used</td>
<td>Heating Stage</td>
<td>Cooling Stage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warm-up Mode</td>
<td>Reversing Valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HGR</td>
<td>Exhaust Fan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-Heater</td>
<td>Alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Override</td>
<td>Occupied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OA Damper</td>
<td>Heat Wheel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Emergency Heat</td>
</tr>
</tbody>
</table>

Check one of the boxes above. Default is “Not Used”.

---

VCM-X Configuration
Check one of the boxes above. Default is “Not Used”.

Check one of the boxes above. Default is “Not Used”.

Check one of the boxes above. Default is “Not Used”.

Check one of the boxes above. Default is “Not Used”.
Configuration Screen #77

VCM-X Cnfg ID 59
Relay Configurations
Rly 19: Not Used
Use < or > To Change

- Not Used
- Heating Stage
- Cooling Stage
- Warm-up Mode
- Reversing Valve
- HGR
- Exhaust Fan
- Pre-Heater
- Alarm
- Override
- Occupied
- OA Damper
- Heat Wheel
- Emergency Heat

Check one of the boxes above. Default is “Not Used”.

Configuration Screen #78

VCM-X Cnfg ID 59
Relay Configurations
Rly 20: Not Used
Use < or > To Change

- Not Used
- Heating Stage
- Cooling Stage
- Warm-up Mode
- Reversing Valve
- HGR
- Exhaust Fan
- Pre-Heater
- Alarm
- Override
- Occupied
- OA Damper
- Heat Wheel
- Emergency Heat

Check one of the boxes above. Default is “Not Used”.

Configuration Screen #79

VCM-X Cnfg ID 59
Relay Configurations
Rly 21: Not Used
Use < or > To Change

- Not Used
- Heating Stage
- Cooling Stage
- Warm-up Mode
- Reversing Valve
- HGR
- Exhaust Fan
- Pre-Heater
- Alarm
- Override
- Occupied
- OA Damper
- Heat Wheel
- Emergency Heat

Check one of the boxes above. Default is “Not Used”.
Setpoint Screen #1

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>HVAC Mode Setpoints</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling......: 75°F</td>
<td></td>
</tr>
<tr>
<td>Heating......: 70°F</td>
<td></td>
</tr>
</tbody>
</table>

In the first box above enter a value from 0 to 99. The default value is “75”. In the second box above enter a value from 0 to 99. The default value is “70”.

Setpoint Screen #2

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>HVAC Mode Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deadband:..... 1.0°F</td>
<td></td>
</tr>
</tbody>
</table>

In the box above enter a value from 0 to 10. The default value is “1.0”.

Setpoint Screen #3

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>Unoccupied Setbacks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling......: 30°F</td>
<td></td>
</tr>
<tr>
<td>Heating......: 30°F</td>
<td></td>
</tr>
</tbody>
</table>

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”.

Setpoint Screen #4

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>SAT Cooling Spts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling.....: 55°F</td>
<td></td>
</tr>
<tr>
<td>Rst Limit.....: 55°F</td>
<td></td>
</tr>
</tbody>
</table>

If no Reset Source has been configured in Configuration Screen #4, then this setpoint will be the SAT Cooling Setpoint. Line 4 will be blank. If a Reset Source has been configured in Configuration Screen #4, then Line 4 will read Rst Limit. In the first box above enter a value from 40 to 80. The default value is “55”. In the second box above enter a value from 40 to 150. The default value is “55”.

Setpoint Screen #5

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>Cool Rst Source Spts</th>
</tr>
</thead>
<tbody>
<tr>
<td>SpcHi: 75 SAT: 55°F</td>
<td></td>
</tr>
<tr>
<td>SpcLo: 75 RST: 55°F</td>
<td></td>
</tr>
</tbody>
</table>

If no Reset Source has been configured in Configuration Screen #4, then this screen will be Cool Rst Not Config and will not be used. If a Reset Source has been configured in Configuration Screen #4, then the names of the values on the left side of this screen will correspond to the Reset Source that was configured. The screen will then allow you to input the upper and lower limits for the range of values of the Reset Source on the left side of the screen and will show the corresponding Cooling Supply Air SAT and Rst Limit Values that were entered on Setpoint Screen #4.

Setpoint Screen #6

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>SAT Heating Spts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating.....: 120°F</td>
<td></td>
</tr>
<tr>
<td>Rst Limit.....: 120°F</td>
<td></td>
</tr>
</tbody>
</table>

If no Reset Source has been configured in Configuration Screen #4, then this setpoint will be SAT Heating Setpoint. Line 4 will be blank. If a Reset Source has been configured in Configuration Screen #4, then Line 4 will read Rst Limit. In the first box above enter a value from 40 to 200. The default value is “120”. In the second box above enter a value from 40 to 200. The default value is “120”.

Setpoint Screen #7

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59</th>
<th>Heat Rst Source Spts</th>
</tr>
</thead>
<tbody>
<tr>
<td>SpcHi: 70 SAT: 120°F</td>
<td></td>
</tr>
<tr>
<td>SpcLo: 70 RST: 120°F</td>
<td></td>
</tr>
</tbody>
</table>

If no Reset Source has been configured in Configuration Screen #4, then this screen will read Heat Rst Not Config and will not be used. If a Reset Source has been configured in Configuration Screen #4, then the names of the values on the left side of this screen will correspond to the Reset Source that was configured. The screen will then allow you to input the upper and lower limits for the range of values of the Reset Source on the left side of the screen and will show the corresponding Heating Supply Air SAT and Rst Limit Values that were entered on Setpoint Screen #4.
Setpoint Screen #8

VCM-X Spts ID 59
Stage Control Window
Cooling.........: 5°F
Heating.........: 5°F

In the first box above enter a value from 1 to 20. The default value is “5”. In the second box above enter a value from 1 to 20. The default value is “5”.

Setpoint Screen #9

VCM-X Spts ID 59
Outdoor Air Lockouts
Cooling.........: 50°F
Heating.........: 70°F

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 50 to 150. The default value is “70”.

Setpoint Screen #10

VCM-X Spts ID 59
Cutoff Temperatures
Lo SAT........: 40°F
Hi SAT........: 170°F

In the first box above enter a value from 0 to 250. The default value is “40”. In the second box above enter a value from 0 to 250. The default value is “170”.

Setpoint Screen #11

VCM-X Spts ID 5
Minimum Supply
Fan VFD Speed
For Heating....: 30%

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

Setpoint Screen #12

VCM-X Spts ID 59
Morning WarmUp
Target Temp: 72°F
Max Length...: 60 Min

In the first box above enter a value from 50 to 90. The default value is “72”. In the second box above enter a value from 0 to 240. The default value is “60”.

Setpoint Screen #13

VCM-X Spts ID 59
Dehumidification Spt
Indoor RH.....: 50%
OA Dewpoint...: 55°F

In the first box above enter a value from 1 to 100. The default value is “50”. In the second box above enter a value from 35 to 80. The default value is “55”.

Setpoint Screen #14

VCM-X Spts ID 59
Dehumidification
Coil Temperature
Setpoint......: 45°F

In the box above enter a value from 35 to 70. The default value is “45”.

Setpoint Screen #15

VCM-X Spts ID 59
Cooling
Head Pressure
Setpoint: 315PSI

In the box above, enter a value from 250 to 400. The default value is “315”. This value is based on the highest head pressure reading of up to 4 Head Pressure Sensors.

Setpoint Screen #16

VCM-X Spts ID 59
Reheat
Head Pressure
Setpoint: 400PSI

In the box above, enter a value from 250 to 400. The default value is “400”. This value is based on the highest head pressure reading of up to 4 Head Pressure Sensors.

Setpoint Screen #17

VCM-X Spts ID 59
Economizer Setpoints
OAT/WB Enable..: 55°F

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

Setpoint Screen #18

VCM-X Spts ID 59
Economizer Setpoints
Min Position..: 10%
Control Rate..: 90

In the first box above enter a value from 0 to 100. The default value is “10”. In the second box above enter a value from 10 to 99. The default value is “90”.

Setpoint Screen #19

VCM-X Spts ID 59
OA CFM CONTROL
Min CFM.: 0.10K
Max CFM.: 0.10K

In the first box above enter a value from 0 to 200. The default value is “0.10”. In the second box above enter a value from 0 to 200. The default value is “0.10”.

K=1000
Setpoint Screen #20

VCM-X Spts ID 59
OA CFM CONTROL
OA CFM DB...: 10CFM

In the box above enter a value from 0 to 1000. The default value is “10”.

Setpoint Screen #21

VCM-X Spts ID 59
Maximum Economizer
Position If High CO2
Level Occurs: 100%

In the box above enter a value from 0 to 100. (Note the minimum is whatever value you set for Economizer Min. Position on Screen 18 above). The default value is “100”.

Setpoint Screen #22

VCM-X Spts ID 59
CO2 Protection Limit
Max Level.: 900 PPM
Reset Range.: 100 PPM

In the first box above enter a value from 0 to 3000. The default value is “900”. In the second box above enter a value from 0 to 1500. The default value is “100”.

Setpoint Screen #23

VCM-X Spts ID 59
Static Spt...: 0.50"
Deadband.....: 0.10"
Control Rate.....: 10 s

In the first box above enter a value from 0.10 to 3.0. The default value is “0.50”. In the second box above enter a value from 0.01 to 1.0. The default value is “0.10”. In the third box above enter a value from 1 to 30. The default value is 10.

Setpoint Screen #24

VCM-X Spts ID 59
Building Pressure
Setpoint: 0.10"
Deadband: 0.02"

In the first box above enter a value from -0.20 to 0.20. The default value is “0.10”. In the second box above enter a value from 0.01 to 0.10. The default value is “0.02”.

Setpoint Screen #25

VCM-X Spts ID 59
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 #26

VCM-X Spts ID 59
Fan Starting Delay
Timer....: 255 s

In the box above enter a value from 0 to 255. The default value is “255”.

Setpoint Screen #27

VCM-X Spts ID 59
Mechanical Heat/Cool
Failures Occur After
No Change For: 15 Min

In the box above enter a value from 0 to 255. The default value is “15”.

Setpoint Screen #28

VCM-X Spts ID 59
Preheat / Low Ambient Temperature:
Setpoint: 0°F

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

Setpoint Screen #29

VCM-X Spts ID 59
Max OA Damper Tempering Limit
Setpoint: 50%

In the box above enter a value from 0 to 60. The default value is “50”.

Setpoint Screen #30

VCM-X Spts ID 59
HVAC Schedule: 0
[ 0 = Internal ]
[ 1-5 = External ]

In the box above enter a value from 0 to 5. The default value is “0”.

Setpoint Screen #31

VCM-X Spts ID 59
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 Screen #32

VCM-X Spts ID 59
HVAC Mode Sensor Slide Offset: 0°F

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

Setpoint Screen #33

VCM-X Spts ID 59
Heat Pump Auxiliary Heating Delay: 3 Min

In the box above enter a value from 0 to 30. The default value is “3”.

VCM-X Setpoints Worksheet
VCM-X Setpoints Worksheet

Setpoint Screen #34

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Heat Pump Defrost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defrost Tmp: 30°F</td>
</tr>
<tr>
<td>Defrost Tmr: 30 Min</td>
</tr>
</tbody>
</table>

In the first box above enter a value from 0 to 50. The default value is “30”. In the second box above enter a value from 10 to 90. The default value is “30”.

Setpoint Screen #35

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Adaptive Defrost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adj. Setpoint: 0 Min</td>
</tr>
</tbody>
</table>

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

Setpoint Screen #36

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Heat Wheel Defrost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setpoint: 30°F</td>
</tr>
</tbody>
</table>

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

Setpoint Screen #37

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Internal Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optimal Start Soak</td>
</tr>
<tr>
<td>Multiplier: 0.0</td>
</tr>
</tbody>
</table>

In the box above enter a value from 0.0 to 5.0. The default value is “0.0”.

Setpoint Screen #38

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Trend Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interval: 15 Min</td>
</tr>
</tbody>
</table>

In the box above enter a value from 1 to 120. The default value is “15”.

Setpoint Screen #39

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Preheat-X Setpoints</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Mode: 40.0°F</td>
</tr>
<tr>
<td>Heating Mode: 60.0°F</td>
</tr>
</tbody>
</table>

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 #40

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Preheat-X Setpoints</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venting Mode: 50.0°F</td>
</tr>
</tbody>
</table>

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

Setpoint Screen #41

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Sensor Calibration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC: 72.0°F 0.00°F</td>
</tr>
<tr>
<td>SAT: 55.0°F 0.00°F</td>
</tr>
</tbody>
</table>

See setpoint information following Screen #42.

Setpoint Screen #42

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Sensor Calibration</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAT: 78.0°F 0.00°F</td>
</tr>
<tr>
<td>OAT: 85.0°F 0.00°F</td>
</tr>
</tbody>
</table>

Setpoint screens 41 and 42 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. The default value is “0”. The value shown to the immediate right of the sensor designation (SPC:, SAT:, RAT:, OAT:) is the actual temperature the sensor is reading plus the offset temperature amount you have entered. The far right value indicates the amount of calibration offset you have entered for that sensor.

Setpoint Screen #43

<table>
<thead>
<tr>
<th>VCM-X Spts ID 59 Sensor Calibration</th>
</tr>
</thead>
<tbody>
<tr>
<td>COIL: XX.X°F 0.00°F</td>
</tr>
</tbody>
</table>

Setpoint screen 41 allows you to calibrate the COIL sensor if it is not reading correctly. In the box above, enter a value from -30 to +30. The default value is “0”. The value shown to the immediate right of the sensor designation is the actual temperature the sensor is reading plus the offset temperature amount you have entered. The far right value indicates the amount of calibration offset you have entered for the sensor.