



Quick Start Guide

MC5000 Series Controller

Guided Set Up

The MC5300/5600 controller includes a guided set up feature with two main components, Equipment Setup and System Setup. Each screen progresses through the menus and builds on the last to configure either the equipment connected to the controller or the controller features to be used/configured.

IMPORTANT

When connecting this product from a remote location, ensure that the network connection is secure and reliable.

NOTICE

It is important to check the software version during installation to ensure that the latest version has been installed. Current software versions and installation instructions are available on the Bard website at <http://www.bardhvac.com/software-download/>

Equipment Setup

Menu Descriptions

1. Number of HVAC Systems: 1 – 6
Determines the number of units connected to the controller, backbone for staging availability and feature limitations.
2. Number of Compressor Stages: 1 or 2
Determines number of stages and if Y2 is to be used.
3. Are Units Heat Pumps?: Yes or No
Determines if the units connected to the controller are heat pumps.
4. Energize O/B During Cooling or Heating: Cooling or Heating
Determines configuration of the O/B terminal (energized in cooling or heating). **NOTE:** All Bard wall-mount heat pumps require the reversing valve to energize in HEATING mode!
5. Number of Electric Heat Stages: 0, 1 or 2
Determines number of stages to be considered and if W2 terminal is to be used.

6. Dehumidifier Type: None, Synchronized or Mechanical
If Synchronized is selected, the “D” terminal is not used and units will use Synchronized sequence. If Mechanical is selected, the D terminal will be energized for Dehum operation according to Mechanical sequence. If None is selected, the following step (Number of Dehumidifier Units) is skipped.
7. Number of Dehumidifier Units: Choice limited to number of HVAC systems
Sets the number of units equipped with dehumidification.
8. Humidifier Present: Yes or No
If H is to be used and number of units with humidification option, limited by the number of dehumidification units.
9. Auxiliary Output Configuration: Configure
AUX terminal can be configured to provide a contact change for each of the following conditions if individually selected: Emergency Off Alarm, Generator Run Alarm, High Humidity Alarm, Dust Alarm or Dehumidification Active.

Equipment Setup Steps

1. Press Setup button on Home screen.
2. Press Equipment Setup button.
3. Press UP/DOWN buttons to scroll to enter number of HVAC systems; press Next button.
4. Press 1 or 2 button to enter number of compressor stages; press Next button.
5. Press Yes/No button to select if units are heat pump units or not; press Next button.
6. Press Cooling or Heating button to select whether to energize O/B during cooling or heating; press Next button.
7. Press 2, 1 or 0 button for the number of electric heat stages; press Next button.
8. Press None, Synchronized or Mechanical button for dehumidifier type; press Next button.
9. Press UP/DOWN buttons to scroll to number of dehumidifier units; press Next button.

10. Press Yes or No button to select if humidifier is present; press Next button.
11. Press Configure to configure any of the following: Emergency Off alarm, Generator Run alarm, High Humidity alarm, Dust Alarm, Dehumidification Active. Press Next or Home button.

System Setup

Menu Descriptions (default indicated in bold)

1. Language – **English**, French or Spanish
2. Password Protection – User can configure password here (**No**)
3. Twinning Staging Logic – **Off**, All or Pairs
4. Staging Logic – **Alternating** or non-alternating
5. Lead-Lag Change Over Time – Time setting 0-30 days (**7**)
6. Continuous Blower Logic – Lead, **None**, All, Prepurge or Custom
7. Degrees – **Fahrenheit** or Celsius
8. Temperature Sensor Logic – **Average**, highest or lowest
9. REM 1 Temperature Sensor – Indoor Temperature or **Not Connected**
10. REM 2 Temperature Sensor – Indoor Temperature, Outdoor Temperature or **Not Connected**
11. Equipment Minimum Run Time – 0-5 minutes (**3**)
12. Maximum Number of Units While in Generator Mode – Choice limited to number of HVAC systems (**1**).
13. Touch Screen Display Brightness – 10-100% (**80**)

System Setup Steps

1. Press Setup button on Home screen.
2. Press System Setup button.
3. Press preferred language button; press Next button.
4. Press Yes button if password protection is desired; if Yes is selected, a prompt will appear to enter a PIN number. Press Next button.
5. Press button to select twinning staging logic choice; press Next button.
6. Press button to select staging logic choice; press Next button.
7. Press UP/DOWN buttons to select lead-lag change over time; press Next button.
8. Press button to select continuous blower logic choice; press Next button.
9. Press button to select degrees choice (Fahrenheit/Celsius); press Next button.

10. Press button to select temperature sensor logic choice; press Next button.
11. Press button to select REM 1 temperature sensor choice; press Next button.
12. Press button to select REM 2 temperature sensor choice; press Next button.
13. Press UP/DOWN buttons to select equipment minimum run time; press Next button.
14. Press UP/DOWN buttons to select maximum number of units while in generator mode; press Next button.
15. Press UP/DOWN buttons to select touch screen display brightness; press Next or Home button.

Date/Time Setup Menu

1. Press Setup button on Home screen.
2. Press Date/Time Setup button.
3. Press UP/DOWN arrow to select Hour.
4. Press UP/DOWN arrow to select Minute.
5. Press UP/DOWN arrow to select AM/PM.
6. Press Next button.
7. Press UP/DOWN arrow to select Month.
8. Press UP/DOWN arrow to select Day.
9. Press UP/DOWN arrow to select Year.
10. Press Next button.
11. Press Home button.