PREMTBVC "CRC THERMOSTAT"

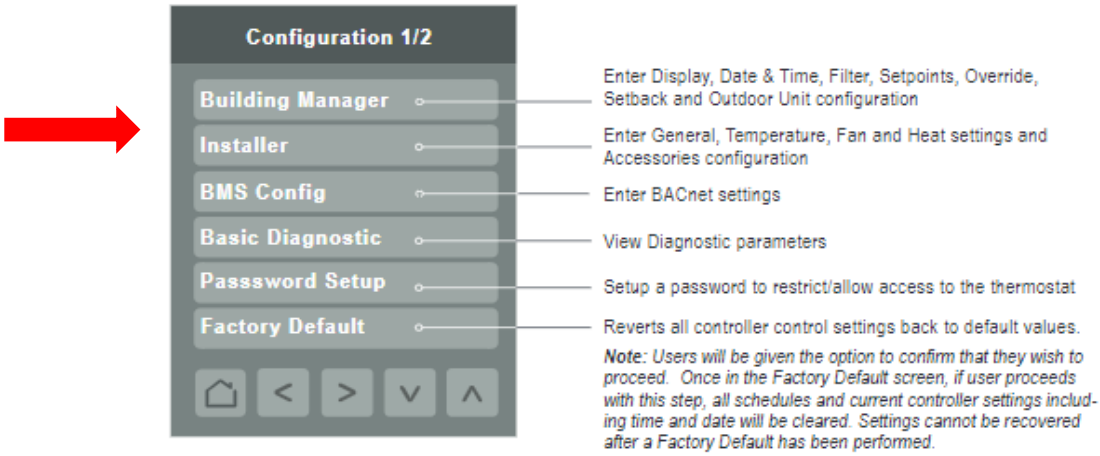
Installer Configuration Screens

These screens are more commonly used during installation, system configuration, or troubleshooting than by an end user. There is no icon on the Home screen to access these configuration screens. You must press and hold the area of the screen indicated on the diagram below to access the first screen.

If a configuration / installer password is activated to prevent unauthorized access to the configuration menu parameters, a password entry prompt will appear to prevent access to the device configuration components.

Configuration Main Screens

There are two main configuration screens as shown below. Press the left and right arrow buttons to move between these two screens. Press a button on a screen to display the parameter selections for that item.



Note: *Users will be given the option to confirm that they wish to proceed. Once in the Factory Default screen, if user proceeds with this step, all schedules and current controller settings including time and date will be cleared. Settings cannot be recovered after a Factory Default has been performed.*

Building Manager Screens

There are two main configuration screens as shown below. Press the left and right arrow buttons to move between these two screens. Press a button on a screen to display the parameter selections for that item.

Customize Home View
Hide On/Off, Mode, Schedule, More, Set Temp, Space Temp, Fan and Humidity options on home screen.

Code Search
Use the Up and Down arrows to choose an available Function Code and select the Code Search button to navigate to the screen where that function code resides.

Codes can be found in brackets next to a parameter throughout all menus. This function is used for quicker menu navigation.

Override Setup
If controller is in the unoccupied mode then the controller enters Override mode when the user taps the screen the first time.
Select this control to configure settings for Override including set points, system mode, fan speed and duration of override.

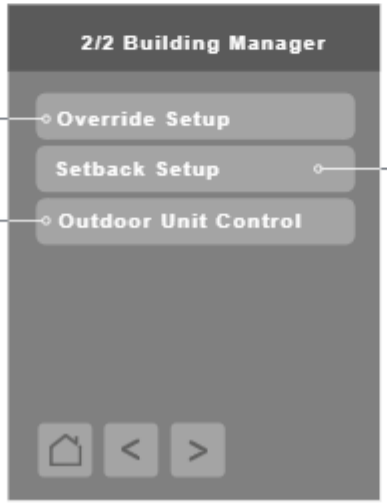
Outdoor Unit Control
Manage outdoor unit functions through the Controller's interface.

Display Basic Settings – Date / Time, Display Color, Standby Brightness (and delay timing), Night Backlight level, Standby Screen).

Filter Functions – Clear Filter Alarm, Remaining Time, Lower/Raise Grill, Robot Cleaning

Setpoint Configuration
Choose between Single/Dual set point(s) and configure set point max/min limits and deadband.
Note: Available functions/features may differ based on the connected system.

Smart ThinQ – Displays the Smart ThinQ screen. Allows pairing of the controller and the Smart ThinQ smartphone app. The Smart ThinQ app allows air conditioner control from the smartphone.



Setback Setup
Setback settings are configurable with this control including set points, system mode and fan speed.

COMMON FUNCTION CODES (MOST INSTALLATIONS)

Code No.	Function Name	Value	Description
4	Temperature sensor setting	01 : Use wired remote controller sensor (Default) 02 : Use indoor unit return sensor 03 : 2TH sensor - Cooling : higher sensor value is used - Heating : lower sensor value is used	Select the thermistor value that will be used to control room temp.
15	Heating thermal on/off setting	0 : Default. Each indoor unit has different value with product type. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/ +2 °F (-1 °C/+1 °C) 4 : -1 °F/ +1 °F (-0.5 °C /+0.5 °C) *Option 4 is available under fahrenheit unit use condition of code12.	It can adjust the heating thermal on / off temperature according to the field environment in preparation for over heating or heating claim.
35	Cooling thermal off fan operation	00 : Fan low (Default) 01 : Fan off 02 : Previous fan setting	Set the fan speed operation during cooling thermal off

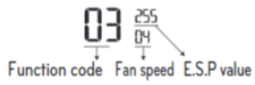
LG THERMOSTAT FUNCTION CODES:

***Function codes are the same for all LG thermostats. Default settings are fine for most applications with the exception of the following. Before changing any other settings always consult the manual supplied with the thermostat or check with us.**

ADDITIONAL FUNCTION CODES (OPTIONAL)

<Installer setting code table>

1) General air-conditioner product

Code No.	Function Name	Value	Description
1	Test run mode	00 : Normal operation (Default) 01 : Initiate cooling test mode 02 : Initiate heating test mode	Initiate IDU test mode.
2	Address setting	02 : XX: central control address number (00~FF)	Assign a unique hexadecimal address when used with central controller.
3	E.S.P. function	[Select fan speed] 01 : Slow 02 : Low 03 : Middle 04 : High 05 : Power <Example>  E.S.P value : 000~255	Please refer to engineering manual for specific product data. "000" is the number displayed for factory settings. If code3 value(s) are changed from default setting (000) then code5, code6 & code32 values will not be used. Only selected products have five speeds.
4	Temperature sensor setting	01 : Use wired remote controller sensor (Default) 02 : Use indoor unit return sensor 03 : 2TH sensor - Cooling : higher sensor value is used - Heating : lower sensor value is used	Select the thermistor value that will be used to control room temp.
5	Ceiling height	[Ceiling height] 01 : Low 02 : Standard (Default) 03 : High 04 : Very high	Simplified air volume setting for cassette and console product. Select the value that cooresponds to the ceiling height the product is installed at.
6	Static pressure	Zone state - E.S.P standard value 01 : Variable -High 02 : Fixed-High 03 : Variable-Low 04 : Fixed-Low	Simplified air volume setting for ducted product. Select the value that corresponds to the type of duct system attached to the product.
8	Override master/slave setting	00 : Slave unit (Default) 01 : Master unit	This function is available for use with MV HP system. One IDU is selected as a master and will communicate it's mode to the other slave IDUs. The slave IDUs will prohibit/gray out opposite mode selection.
9	Dry contact mode setting	00(Default) : - Input closed = Enable remote - Input open = Stop IDU and disable remote 01 : - Input closed = Start IDU and enable remote - Input open = Stop IDU and disable remote	This function is available for use with simple dry contact.

ENGLISH

22 INSTALLER SETTING

Code No.	Function Name	Value	Description
12	Celsius / Fahrenheit switching	00 : Celsius 01 : Fahrenheit (Default)	Celsius or Fahrenheit.
15	Heating thermal on/off setting	0 : Default. Each indoor unit has different value with product type. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/ +2 °F (-1 °C/+1 °C) 4 : -1 °F/ +1 °F (-0.5 °C /+0.5 °C) *Option 4 is available under fahrenheit unit use condition of code12.	It can adjust the heating thermal on / off temperature according to the field environment in preparation for over heating or heating claim.
17	Celsius temperature unit	00 : Celsius 1°C control (Default) 01 : Celsius 0.5°C control	Temperature resolution
18	Emergency heater setting	[Value 1] 00 : Disable emergency heater (Default) 01 : Enable emergency heater [Value 2] 0 : Disable emergency heater in low ambient temperature 1~15 : Enable emergency heater at low ambient temperature 01 : -10F, 02 : -5F, 03 : 0F, 04 : 5F, 05 : 10F 06 : 15F, 07 : 20F, 08 : 25F, 09 : 30F, 10 : 35F 11 : 40F, 12 : 45F, 13 : 50F, 14 : 55F, 15 : 60F [Value 3] 0 : Fan off 1 : Fan on (Fan is off when heater is off)	Setting value 1 enables auxiliary heater to be used when ODU has an error code. Setting value 2 enables ODU to be locked out based on selected outside temperature and enables auxiliary heater to be used. Setting value 3 determines fan operation during thermal on with auxiliary heater.
19	Function setting in group control	00 : Disable extended functions (Default) 01 : Enable extended functions	Standard function : On/Off, Mode, Air flow (Low/Mid/High), Set point, Schedule Extended function: Air angle control(all), Swirl, Air up/down, Air right/left, Energy saving cooling, Fan Auto
20	Plasma purification	00 : Disable 01 : Enable (Default)	It is a function to set whether Plasma purification is enable or not.
21	Auxiliary heat control	00 : Manual heat control disabled 01 : Manual heat control enabled (Default)	This setting allows user to enable/disable the auxiliary heat in sub function menu.
25	External auxiliary heat kit	00 : Not installed 01 : Installed (Default)	This function must be enabled to use external auxiliary heat kit.

Code No.	Function Name	Value	Description
26	Check indoor unit address number	XX(assigned address)	Display ODU assigned IDU address.
27	Cooling thermal on/off setting	0 : default, +1 °F/-1 °F(+0.5 °C/-0.5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	It can adjust the cooling thermal on / off temperature according to the field environment in preparation for over cooling or cooling claim. *This function available from Gen 4 indoor unit series.
29	Setting for refrigerant leak detector	00 : Not installed (Default) 01 : Installed	Enable this function after installing external refrigerant leakage detection device.
30	SW version	Display remote SW version	Remote SW version
31	Setting temperature range	00 : 60~86°F(16~30°C) (Default) 01 : 40~99°F(4~37.5°C)	If the extended temperature range is set refer to the following. - Cooling 87~99°F (30.5~37.5°C) -> 86°F(30°C). - Heating 40~59°F (4~15.5°C) -> 60°F(16°C). - If set on dual set points, it is changed to the current operation mode(cooling or heating) of the indoor unit.
32	Static pressure step	00 : Use static pressure (code 06) set value (Default) 01~11 : Static pressure step (code 32) set value	If code3 value(s) are changed from their default settings (000) then code32 values will not be used. Extended simplified air volume setting for ducted product.
33	Guard timer	00 : 0 minute 01 : 15 minutes (Default) 02 : 30 minutes 03 : 45 minutes 04 : 60 minutes	Minimum time that must elapse before system can change to opposite mode. (example: change from heat to cool mode)
34	Set point range lock	00 : Disable (Default) 01 : Enable	limits the heating and cooling setpoint range that the user can select. For more detail information see the following instruction
35	Cooling thermal off fan operation	00 : Fan low (Default) 01 : Fan off 02 : Previous fan setting	Set the fan speed operation during cooling thermal off
36	Primary heater control	00 : HP first stage heat (Default) 01 : HP last stage heat	Installer to select heat pump to operate as first or last stage of heat with use of external heat kit.