MERI™
USER GUIDE

MAIN SCREEN

WiFi
Show WiFi
Connection status

Room Temp
Show current room
temperature

Schedule Mode
Toggle the scheduled
temperature ranges

System Mode
Toggle the
system mode

Settings
Show the settings
option

Set Temp
Shows the current
set temperature

Eco Mode
Toggle the Eco Mode
temperature range

Humidity
Shows the current
room humidity

Fan Control
Toggle the Fan
operation

78

84

◊ 35%
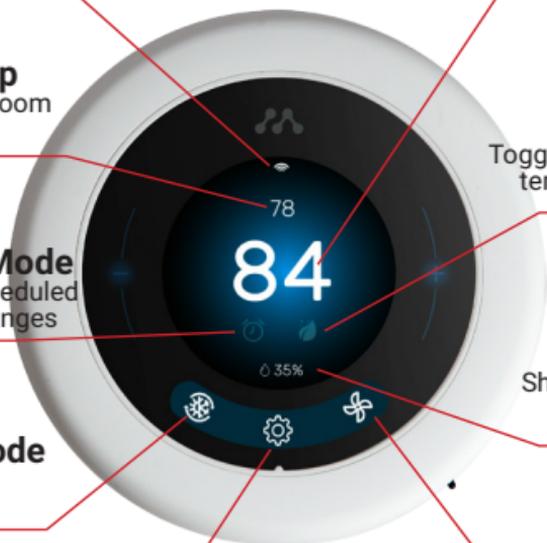
SPECIFICATIONS

Temperature Sensor	NTC
Accuracy	±1ºC
Temperature Range	Heating 40º - 90ºF (4º-32ºC) Cooling 50º - 99ºF (10º-37ºC)
Operating Temp/ Humidity Range	0~45ºC, 5~95% RH (non-condensing)
Screen Resolution	320 x 480 TFT LCD
Power Supply	AC 24V
Size	112 x 112 x 20mm
Housing Material	PC
IP Rank	IP20
WiFi	2.4GHz only

THERMOSTAT FUNCTIONS

Functions	Descriptions
System Modes	Off, Heat, Cool, Auto, Emergency
Fan	Auto, on
Task Modes	Schedule, Eco
Room Temperature Display	Detects the current room temperature
Humidity Display	Detects the room humidity level
Delay Protect	Controls the start and stop time intervals of the compressor
WiFi Connection	Direct WiFi connection for updates and app access
Scheduling	User can preset a temperature range to start at a certain time and day(s). The timing program will continue until the next schedule or when overwritten by another mode/program
ECO Mode	Energy saving mode when you're away from home
Filter Reminder	Reminds you when it's time to change the filter according to your preset timer
Lock	Lock the controls to prevent others from operating the thermostat
Early On	Calculates the best time period to executeyour system prior to your scheduled commands

APP PAIRING

1   From the main screen, tap on the settings icon.

2   Then select the APP PAIRING option

3   Download the "Momentum Smart Thermostat" App

APP PAIRING

4 Ready the app to scan the QR code on the next screen

5 Scan the QR code on the screen

6 Complete!

SYMBOL GUIDE

Symbol	Name	Description
	System Mode	Selection of heat/ cool/ auto/ emer/ off options
	Standby/ Main	Standby mode/ Main Screen
	Settings	Enter settings screen
	Schedules	Enable the scheduled temperature settings
	ECO	ECO mode activation
	Fan Auto	Fan runs automatically
	Fan On	Fan turns on
	WiFi	WiFi connectivity
	Filter	Replace filter alert

OPERATIONS

1) System mode selection
In the main interface press ⚙ to toggle the system mode selection. You can switch between OFF, COOL, HEAT, EMER, AUTO modes.
Press 🌀 to toggle the Fan AUTO, ON. Note that not all mode options will be available as it will depend on your system type. The thermostat will determine which modes are available according to your selected system type.

2) View or modify the set temperature
In the main screen, when a mode is selected the currently set temperature is displayed directly above the room temperature indicator. Tap on − or + to adjust the set temperature value.
You may also toggle the Schedule or Eco modes by tapping on the icons right below the room temperature value.
In Auto Mode, you'll see two values for the set temperature which accounts for a range where the thermostat will try to maintain. Tap on one of the values and adjust it by tapping the − or + buttons.

Note that if the Schedule or Eco modes are toggled on, the set temperature value(s) on the home screen will then adjust according to those mode values.

7

OPERATIONS

3) Standby Screen

When the thermostat is idled it will go to a standby screen that has additional options. You can adjust the idle period from the thermostat's display settings.

Here you can toggle the Schedules and ECO modes by tapping the icons at the bottom. Press the middle Home button to go to the main screen.

4) System settings

Press the settings icon ✷ in the main interface to enter the Settings list. Here you'll find several ways to customize your thermostat settings and controls.

5) Schedules

Set schedules throughout the week for the thermostat to automatically keep your home at the desired temperature range.

OPERATIONS

6) Eco

This is an energy saving mode to use when away from home. This mode will maintain the room temperature to stay within the preset cooling or heating temperature range.
The temperature range should be relatively wide to save more energy.

7) Display

- Location – Enter your zip code to automatically program the clock and weather.
- Standby timer – When the device has been idle for a set time period it will go to the standby screen.
- Screen brightness – Change the screen's brightness between Low, Medium, High.
- Temperature unit – Change the temperature unit between °F/°C.
- Lock – Lock the screen with a 4-digit numeric password to pre vent unauthorized use. *Note: If you forget your password, enter "9999" to reset it*.

OPERATIONS

8) Reminders

Set a time frame to remind you to change your air filter. The reminder can be set from 0-12 months.

9) System Type

Select the appropriate system type option according to your HVAC system. Be sure to choose the correct one or your system may not run properly. If you're unsure of what system type you have, check the installation guide for the wiring diagrams for reference or contact a licensed HVAC technician.

10) WiFi – Setting WiFi

Select your WiFi network name, enter your password, and connect to theWiFi network. Also note that the WiFi icon 📶 in the main interface screen will appear when WiFi is connected.

OPERATIONS

11) Status

Displays which terminals are currently on when a system mode is activated.

12) Advanced

- Fan Controls – You can enable the Fan to run with the heater and extend the fan run time after the AC or heater is turned off.
- O/B terminal – (Heat pump systems only) You can reverse the energized O/B valve for heating and cooling according to your heat pump system. If you notice that hot air is blowing while the system is in Cool mode or cold air in Heat mode, you may want to reverse the energized O/B terminal from this setting.
- Early on – Have the thermostat turn on early so the desired temperature will be achieved by the time of the set schedules.

OPERATIONS

- Temperature calibration – Adjust the thermostat's room temperature reading.
- Temperature delay – Increase the temperature range it would require for the thermostat to activate relative to the set temperature.
- Delay protect – This will delay the compressor from activating frequently to protect it from wear and tear.

13) App Pairing

Follow the instructions given on the screen to pair the thermostat to the Momentum Smart Thermostat app.

14) Reset

This will reset the device to the original factory settings and wipe all the customized data and settings.

OPERATIONS

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

*Note: Screen shots and procedures described in this manual
are subject to change without notice. The latest Momentum
User Guide is always available on our website at
http://www.momentumcam.com.*