GE APPLIANCES

RAK190V

ENERGY MANAGEMENT THERMOSTAT

1-WAY COMMUNICATION CONFIGURATION:

For use with AZ45/65/95/9V & AJE models

- Works with all traditional 6, 7, and 8 wire setups
- Occupancy sensing setting & energy savings offsets
- Attractive cap touch display, easy to clean
- Large White LED display is bright and easy to read
- Auto dimming (Night time)
- 2 configurable Aux 24VAC Outputs to control MakeUp Air, lighting, aux fans, etc.



2-WAY COMMUNICATION CONFIGURATION:

For use with inverter models only

- Full range true variable speed inverter control capability
- MakeUp Air occupancy control (when paired with MUA 2-way capable models)
- 5 wire hookup (via traditional T-stat wire or twisted pair)
- Plug and play setup
- Enhanced humidity sensing
- Set mode/temp on the thermostat, unit or via SmartHQ™* online tools
- Compatible with SmartHQ™** management (For site-wide fleet management: WiFi-enabled unit control, setting adjustments, & room status updates)

*Requires purchase of additional SmartHQ™ Connect Module
**Requires purchase of additional SmartHQ™ Connect Module and subscription service

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Description	EMS Thermostat, Wired, 2-way communications, RH Sensing. Also 1-way capable
UPC Number	084691897156
Color	White with Black Cap touch screen
Fan Speeds	2
Modes	Off, Heat, Cool, Fan
Fan Modes	Low/High, Auto/On
Heat Stages	1 or 2 or 2-stage HP w/aux
Cool Stages	1 or 2 (Standard wiring), or Variable 2-way communication
Input Power	24 VAC
# of Input Wires	7 (8 with Occupancy) and/or 5 wire with 2-way communication
Wiring Options	1-Way Communication: Traditional 6-8 wires (AWG18 or AWG20) 2-Way Communication: Twisted pair or traditional wiring
Wiring Connections	B-Reversing Valve (Heat Active) GH-Indoor Fan High GL-Indoor Fan Low Y-Compressor Y2-Second stage compressor (opt or occupancy opt) W-Aux Heat-electric C-24VAC Common R-24 VAC Hot Aux 24VAC output 1-configurable Aux 24VAC output 2-configurable External Temperature Sensor Input 5-Wire (2-way comm) R-24V C-Common A+RS485 Communication B-RS485 Communication RS485 Common
Energy Management	Yes
Programmable	No
Network Capable	Yes (via 5 wire 2-way communication with connected unit, works with SmartHQ)
Wireless Communication to PTAC	No
Heat Pump Capable	Yes
Electric Heat Capable	Yes
Manual Changeover	Yes
Auto Changeover	Optional for 8 wire mode only, not avail in 2-way mode
MakeUp Air (MUA) Control	Yes (on MUA equipped models)
# of Buttons	5
Display	Black cap touch with white LEDs
Uses Batteries	No
Included Hardware	Thermostat 2 mounting screws 2 wall anchors Wire labels User Manual
Configuration Compatibility	Single Stage cooling with single stage electric heat or dual stage heat with Heat Pump or dual stage cooling with dual stage heat pump and back up electric heat
Warranty	1 Year, Parts Only
Setpoint Range	60-85
Product Width	5 1/2
Product Height	3 7/8
Product Depth	1
Product Weight Net	1