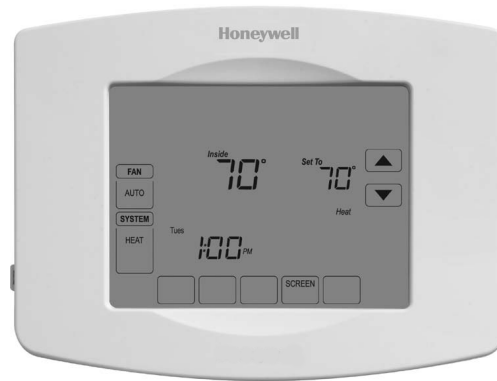


Honeywell® VisionPRO® Wi-Fi Thermostat

The Honeywell® VisionPRO® Wi-Fi thermostat allows for the ability to adjust heating and cooling systems from anywhere using your mobile device – whether home or away. The Honeywell® VisionPRO® Wi-Fi thermostat is compatible with the Lutron® app¹ for Caséta Wireless lighting controls and Lutron wireless shades, and requires the use of the Lutron® Smart Bridge™ or Smart Bridge™ Pro.

Features

- Adjust temperature settings anytime from the Lutron® app – whether home or away.
- 7-day programmable schedule.
- Large touchscreen display with backlight.
- Communicates via Wi-Fi technology.
- Smart Response Technology – continually learns when to pre-heat/cool your home so you are comfortable at your pre-programmed times.
- Supports up to 3 heat and 2 cool stages.
- Keeps date/time during power failure and automatically adjusts for daylight savings time.
- Automatically downloads software updates.
- Requires 24 V~ common connection from the HVAC equipment.
- Requires the use of the Lutron® Smart Bridge™ or Smart Bridge™ Pro.



Honeywell® VisionPRO® Wi-Fi Thermostat

¹ The Lutron® app is required for setup and use with the Lutron® Smart Bridge™ and Smart Bridge® Pro. The Lutron® app is compatible with iOS® devices version 6.0 or later and Android™ devices 4.0 or later.

iOS is a registered trademark of Cisco in the U.S. and other countries and is used under license. Android is a trademark of Google Inc.

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- FCC
- IC

Power

- Operating voltage: 24 V~ IEC PELV/NEC® Class 2

Typical Power Consumption

- 820 mW
- Test conditions: 24 V~ input, backlight on full, four relays active.

Environment

- Ambient operating temperature: 0 °F to 120 °F (-18 °C to 49 °C) 5% to 90% humidity, non-condensing. Indoor use only.

Communication

- Honeywell® VisionPRO® Wi-Fi Thermostat communicates via Wi-Fi technology and must be located within range of the Wi-Fi router.

Power Failure

- Power failure memory: should power be interrupted, the VisionPRO® Wi-Fi Thermostat will retain its programming when power is restored.

Mounting

- Mount on a wall using conventional thermostat mounting methods.

Wiring

- IEC PELV/NEC® Class 2, 22 AWG (0.5 mm²) to 18 AWG (0.75 mm²) solid wiring. Requires transformer common connection.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf
- Warranty only valid if installed by a properly trained climate control specialist.

Job Name: Job Number:	Model Numbers:
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Compatibility

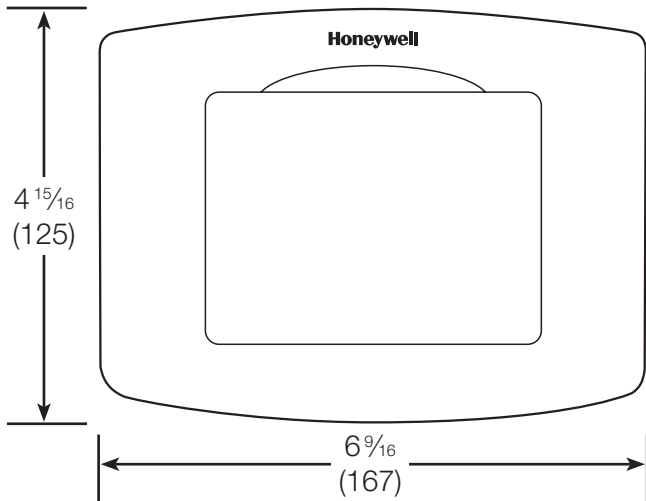
HVAC Type	Compatible?
Single Stage Cool	Yes
Two Stage Cool	Yes
Single Stage Heat	Yes
Two Stage Heat	Yes
Packaged Roof Top Units	Yes
Heat Pump	Yes
Dual Fuel Systems	Yes
Geothermal Heat Pump	Yes
Heat Pump with Auxiliary Electric (Emergency) Heat	Yes
Typical Variable Speed Fan (Equipment Controlled)	Yes
Multi-Zone Systems (Controllable Dampers)	Yes: Requires a separate Zone Controller (not sold by Lutron)
In-Floor Radiant Heat	Yes
Line Voltage Electric Baseboard	No
Mili-Volt System	No
Proprietary/Digital Control systems	No
Variable Speed Fan (Independent Relays)	No
Humidity Control	No
Humidity Sensing	No
Outdoor Temperature Sensing	Yes
VAV/VRV Systems	No

Job Name:	Model Numbers:
Job Number:	

Dimensions

All dimensions are shown as $\frac{\text{in}}{\text{(mm)}}$ unless otherwise noted.

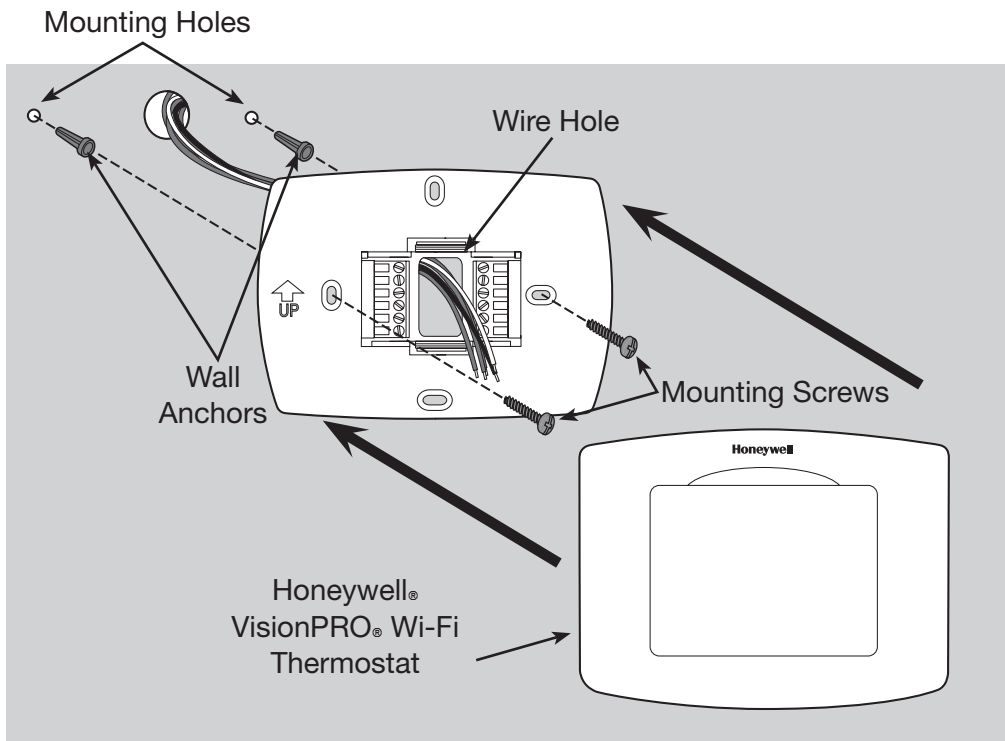
Front View



Side View

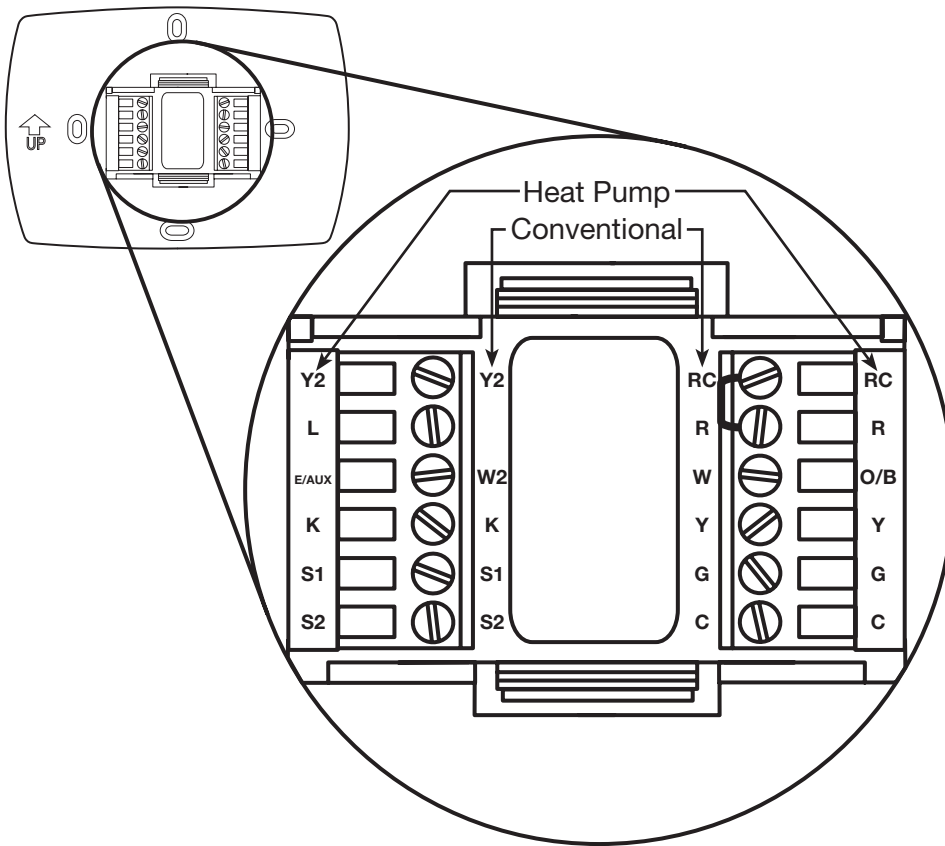


Mounting and Parts Identification



Job Name:	Model Numbers:
Job Number:	

Terminal Designations





Terminal	Description
R	Heating power. Connect to secondary side of heating system transformer.
Rc	Cooling power. Connect to secondary side of cooling system transformer.
C	Required common wire from secondary side of cooling transformer (if 2 transformers)
W	1st stage heat relay.
W2	2nd stage heat relay.
Y	1st stage compressor contactor.
Y2	2nd stage compressor contactor.
G	Fan relay.
L	Heat pump reset (powered continuously when system is set to Em Heat; system monitor when set to Heat, Cool or Off).
O/B	Changeover valve for heat pumps.
K	Optional wiring module terminal.
S1 / S2	Optional remote sensor.

Job Name:	Model Numbers:
Job Number:	

Wiring Guide (for use with 24 V~ common)

Conventional Systems



1H/1C System (1 transformer)

Rc 	Power
R 	R and Rc joined by jumper
W	Heat relay
Y	Compressor contactor
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor



1H/1C System (2 transformers)

Rc	Power (cooling transformer)
R	Power (heating transformer)
W	Heat relay
Y	Compressor contactor
G	Fan relay
C	24 V~ common (cooling transformer)
S1/S2	Optional remote sensor



Heat Only System

Rc 	Power
R 	R and Rc joined by jumper
W	Heat relay
C	24 V~ common
S1/S2	Optional remote sensor



Heat Only System With Fan

Rc 	Power
R 	R and Rc joined by jumper
W	Heat relay
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor



Heat Only System (Series 20)

Rc 	R and Rc joined by jumper
R 	Series 20 valve terminal "R"
W	Series 20 valve terminal "B"
Y	Series 20 valve terminal "W"
C	24 V~ common
S1/S2	Optional remote sensor

Cool Only System

Rc 	Power
R 	R and Rc joined by jumper
Y	Compressor contactor
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor

2H/2C System (1 transformer)

Y2	Compressor contactor 2
W2	Heat relay 2
Rc 	Power
R 	R and Rc joined by jumper
W	Heat relay 1
Y	Compressor contactor 1
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor

2H/2C System (2 transformers)

Y2	Compressor contactor 2
W2	Heat relay 2
Rc	Power (cooling transformer)
R	Power (heating transformer)
W	Heat relay 1
S1/S2	Optional remote sensor
Y	Compressor contactor 1
G	Fan relay
C	24 V~ common (cooling transformer)

Continued on next page...

Job Name:	Model Numbers:
Job Number:	

Wiring Guide (for use with 24 V~ common) *Continued***Heat Pump Systems**

1H/1C Heat Pump (no auxiliary heat)

Rc	Power
R	R and Rc joined by jumper
O/B	Changeover valve
Y	Compressor contactor
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor

2H/2C Heat Pump (no auxiliary heat)

Y2	Compressor 2 relay
Rc	Power
R	R and Rc joined by jumper
O/B	Changeover valve
Y	Compressor contactor 1
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor

2H/1C Heat Pump (with auxiliary heat)

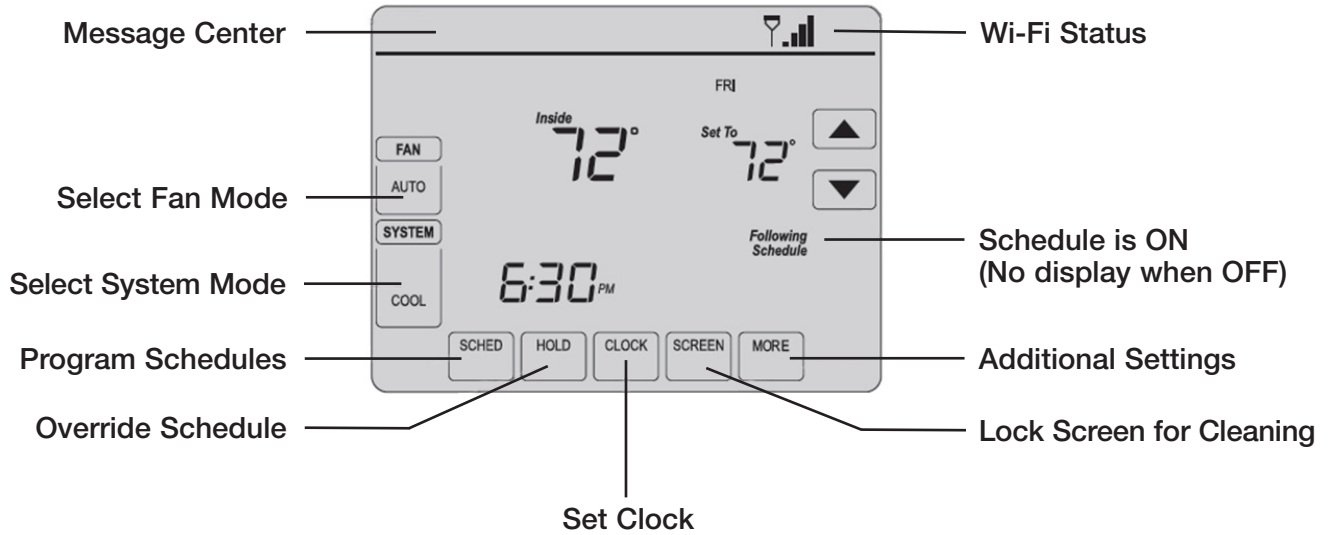
L	Equipment monitor
E/Aux	Auxiliary heat relay (heat 2)
Rc	Power
R	R and Rc joined by jumper
O/B	Changeover valve
Y	Compressor contactor
G	Fan relay
C	24 V~ common
S1/S2	Optional remote sensor

3H/2C Heat Pump (with auxiliary heat)

Y2	Compressor 2 relay
L	Equipment monitor
E/Aux	Auxiliary heat relay (heat 2)
Rc	Power
R	R and Rc joined by jumper
O/B	Changeover valve
Y	Compressor contactor 1
G	Fan relay
S1/S2	Optional remote sensor
C	24 V~ common

Job Name:	Model Numbers:
Job Number:	

Operation



Job Name:	Model Numbers:
Job Number:	