

A2132 Series Installation Guide

Important Requirements and compatibility:

The A2132 series thermostats are designed for single and multi-stage 24VAC systems most commonly used in conventional forced-air, heat-pump, and hydronic systems.

WARNING: DO NOT connect this thermostat to voltages higher than 24 Volt AC, such as: base-board heaters, line/high-voltage fan-coil, or systems with transformers providing higher than 24V AC. Improper use of this device can result in personal injury, and/or property damage.

If you have doubts about your ability to install this thermostat, consult a qualified technician.

Installation Steps

Once you have completed connecting the wires, align the thermostat main body with the wall-plate and gently push around the frame to fit the body on to the wall-plate.

1. Turn off your existing system and disconnect the power: Perform this via the circuit breaker or the dedicated

furnace power switch, if there is one. Verify this by trying to turn the system on.

2. Remove the old thermostat, leaving the wall-plate in-place: Remove the body of the old thermostat and leave the wall-plate connected for now.

3. Record the existing wiring set up:

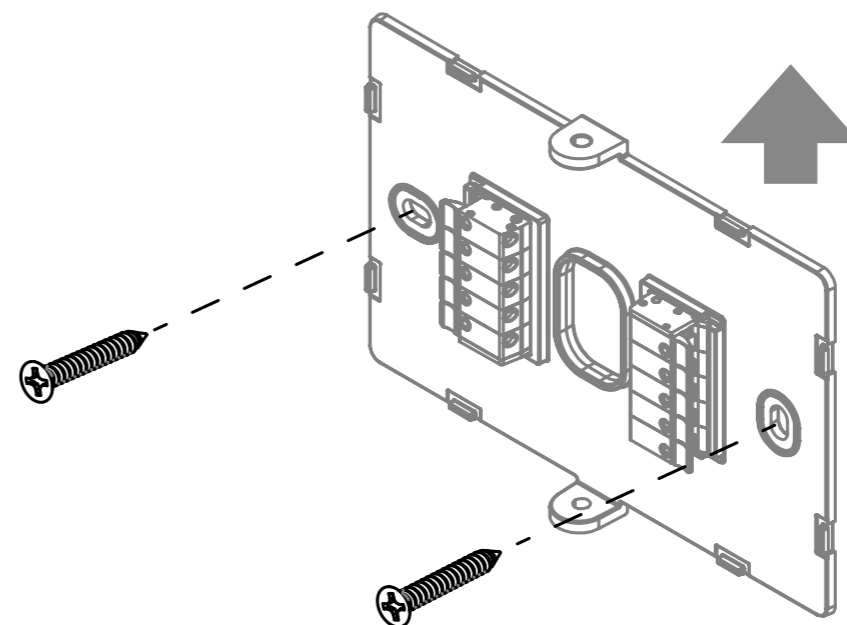
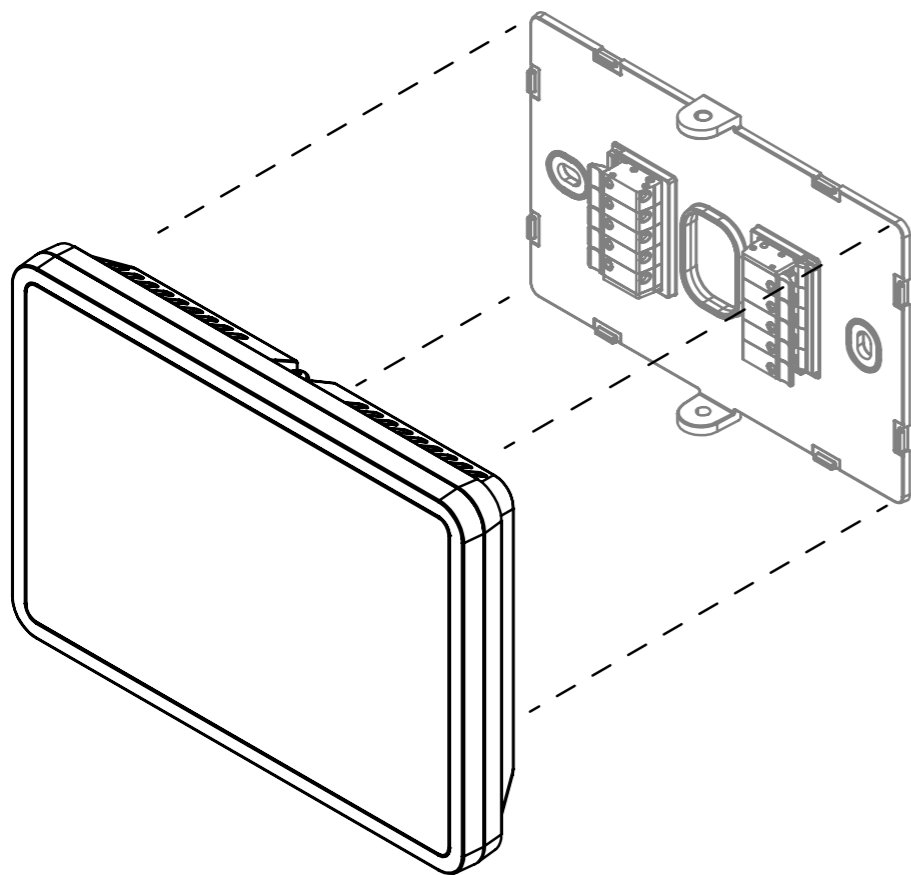
Write down the existing wiring set up by recording what color wire goes to what terminal on the wall-plate. The terminals on the old thermostat's wall-plate should have letter markings. Taking a picture of the wiring is recommended

Below is a typical set up:

Wire Color	Terminal Letters	Common Use
Black, Blue, or Grey	C	Thermostat Power
Red	R	24V power from furnace
White	W	Heat Signal
Varies	W2	2nd Stage Heat
Green	G	Fan Signal
Yellow	Y	Air Conditioner / Compressor Signal
Usually Orange	O, or (O/B)	Heat-Pump Reversing Valve
Usually Brown	B, or (O/B)	Heat-Pump Reversing Valve
Varies	G2, G3	Upper Fan-Speeds
Varies	Y2	2nd Stage Cool

4. Remove the old thermostat wall-plate: After you have finished labeling the old thermostat wiring, disconnect the wires from the old thermostat's wall-plate and un-fasten it from the wall

5. Detach A2132 Smart thermostat's wall-plate: Gently separate the wall-plate portion from the main body of your thermostat by slowly pulling them apart. The two parts are snug-fit together and prying them does not require any tools.



6. Install the A2132 Smart thermostat's wall-plate: Secure the wall-plate to the wall using the drywall anchors and screws provided or use specific fasteners for your wall construction material. The wall-plate mounting holes are designed to match device-box holes (3.25" screw spacing)

7. Connect the wires to the terminal: Connect the wires to the terminal connector matching your existing marked wire to the terminal letter on the thermostat.

Gently push down on the terminal lever and insert the stripped wire into the terminal. Terminal contacts are designed for 16-22AWG Solid wire and 18-22AWG stranded wire.

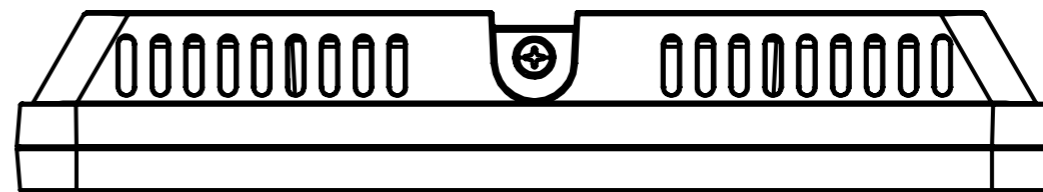
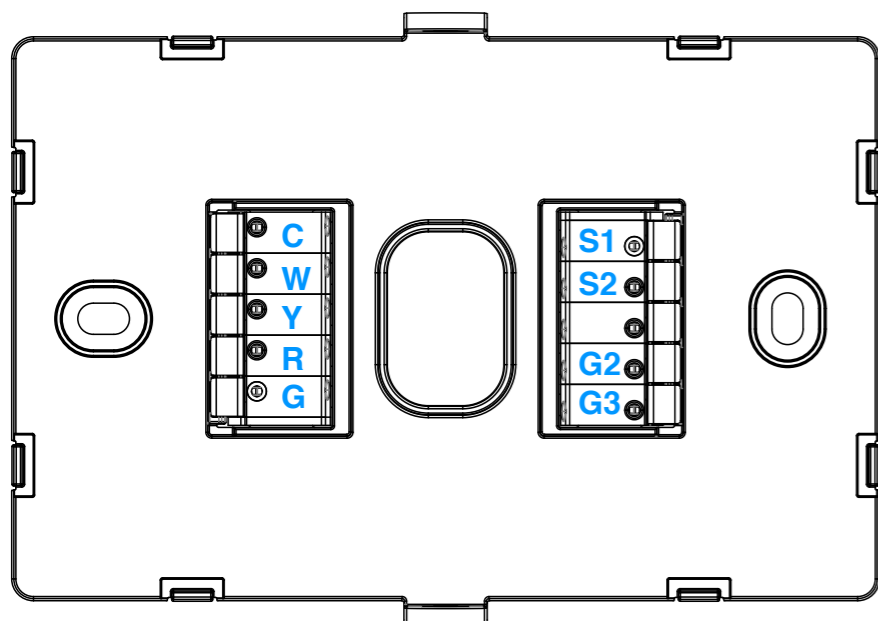
If your wiring has W2 or Y2 (not both), connect it to the G2 terminal. If your wiring has a wire marked, O or B and no W, connect it to the W terminal (in this case, remember to correctly choose your heat-pump in the thermostat settings menu after the install is complete).

7. (continued) Once all of the necessary wires are securely attached to the terminal, tidy up the wires by pushing the excess wire lengths back in to the wall cavity and remove any unnecessary knots or loops that might get in the way.

Double check to make sure the stripped portion of the wires are not touching each other causing a short-circuit.

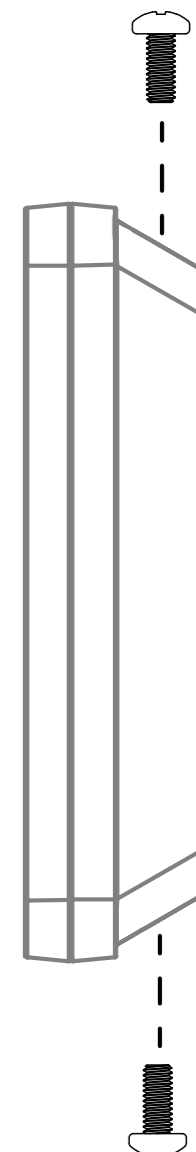
8. Attach the thermostat main body to wall-plate: Once you have completed connecting the wires, align the thermostat main body with the wall-plate and gently push around the frame to fit the body on to the wall-plate.

CAUTION: Do not push/press the display area of the device. The A2132 lens is made of strong tempered glass. However, pressing the screen may cause permanent damage to the display or break the glass. We suggest that installers/users handle the device using the plastic frame.



9. If required, install the axial security screws: In some cases, it may be desirable to affix the device to the wall-plate using screws such that the device cannot be removed without tools. Two 2.5mm x 6mm screws can be used to secure the device to the wall-plate from the top and bottom.

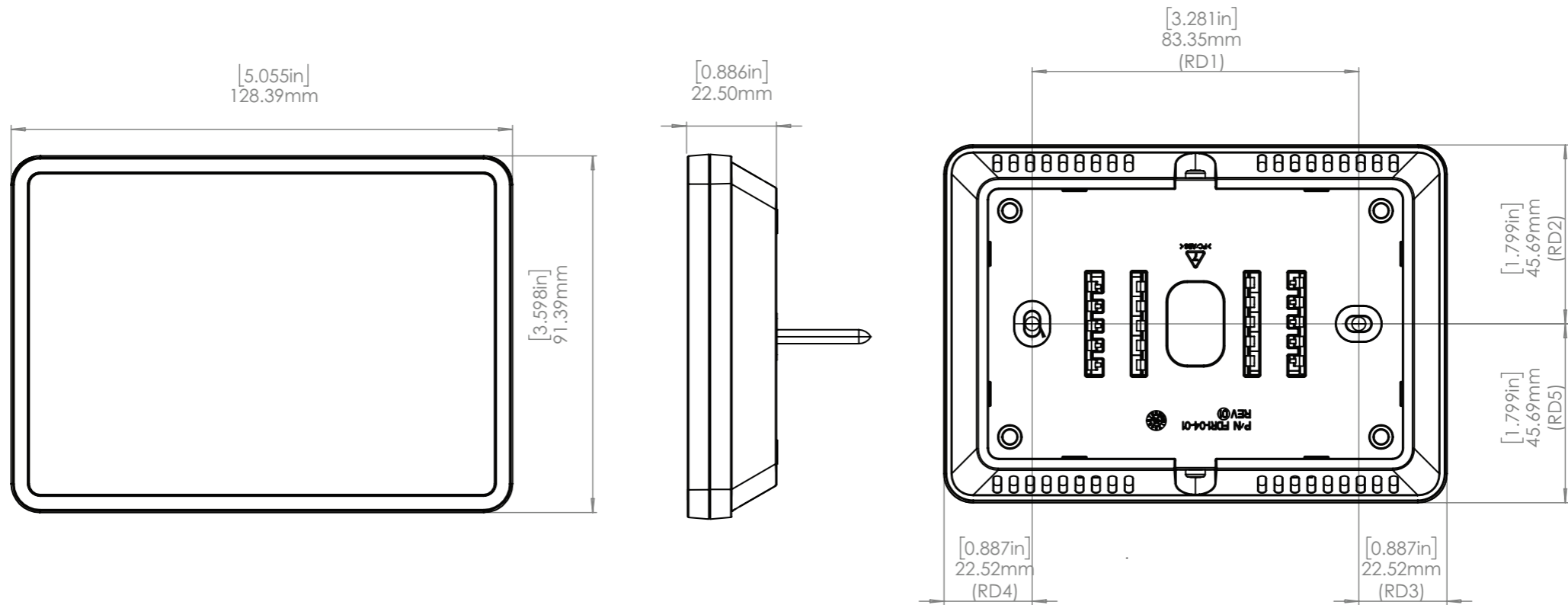
10. Reconnect the Power to the system: Once the thermostat is installed, turn the power to the system/ furnace back on and follow the instructions in the System Setup Guide to finalize the settings such as system type, heat-pump style, mode, etc.



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