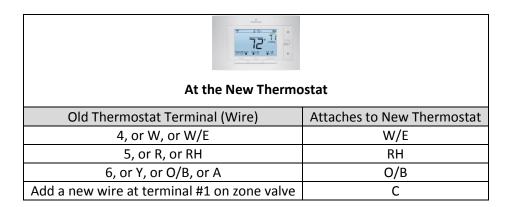
## How can I install Sensi to a White-Rodgers 1311 (Three Wire) Zone Valve?

The Sensi Wi-Fi Thermostat will operate a White-Rodgers 1311 3-Wire Zone Valve, however, a common or "C" wire will be required.

- 1. If you are able to run a new wire from the zone valve to the thermostat for common, follow instructions on page 1 (below) for wiring and configuration. Remember to turn off power to heating system before connecting or disconnecting any wires.
- 2. If it's not possible to run a new wire to the thermostat, follow instructions on page 2-3.

#### Adding a New Wire for Common



## After wiring, configure the thermostat to operate the system

- 1. On the thermostat, press "Menu."
- 2. Press "Next" two times.
- 3. At "Setup Outdoor," use the Up/Down arrow until this reads "ACO."
- 4. Press "Next" one time.

- 5. At "Setup Indoor," use the Up/Down arrow until this reads "6A1."
- 6. Press "Next" one time.
- 7. At this setting, use the Up/Down arrow until this reads "2."
- 8. Press "Exit."

# Adding a SPDT Relay for Common

- 1. Remember to turn off power to heating system before connecting or disconnecting any wires.
- 2. Mount the relay near the zone valve.
- 3. To re-wire the system and add a relay, reference the table and wiring diagram below.

At the New Thermostat		At the New Relay	At the Zone Valve	Purpose of Connection
Old Thermostat	Attaches to New	Attaches to Relay Terminal		
Terminal (Wire)	Thermostat	(See diagram on pg. 3)	Attaches to Zone Valve	Function
				Powers Relay Coil on
4, or W, or W/E	W/E	Relay Terminal #1	No Connection	Thermostat Call for Heat
		Splice or Join to Relay	Attaches to Zone Valve #2 or #5 (#2	
5, or R, or RH	RH	Terminal #4	and #5 are equivalent)	Power (24V hot)
		Splice or Join to Relay		
6, or Y, or O/B, or A	С	Terminal #3	Splice or Join to Zone Valve #1	Power (24V common)
		Add a Wire on Relay Terminal		Opens Zone Valve on Call
		#2	Attach to Zone Valve Terminal #4	for Heat
		Add a Wire on Relay Terminal		Closes Zone Valve When
		#5	Attach to Zone Valve Terminal #6	Call for Heat Ends

# Adding a SPDT Relay for Common (Diagram)

