


The Omachron FCU/HRV Control Board can operate with the Ecobee thermostat. The Ecobee thermostat must be configured using Pro installation processes as identified in the Ecobee Installation Guide. Changing to the Ecobee thermostat requires that electrical connections be removed and applied. While unlikely, these changes could damage the existing thermostat, the Ecobee thermostat, or the Fan Coil Control Board (FCCB). If unsure of how to proceed, consult a qualified electrician, an HVAC specialist, or a Ecobee Pro Installer. There is also a small risk of a 24VAC electrical shock. Damage to any of these components is not covered by any warranty and is at the risk of the installer.

## Instructions

- 1) Prior to removing any existing thermostat or installing the Ecobee thermostat, remove the power for the Fan Coil Unit and ensure that the power is removed from the FC control board.
- 2) Take a picture of the connections to the existing thermostat. There will be seven or eight wires depending on whether or not the thermostat can control the HRV.
- 3) Disconnect and remove the existing thermostat and install the base for the Ecobee thermostat.
- 4) Connect the wires to the base using the table below.
- 5) Attach the thermostat to the base.
- 6) Apply power to the FCU. The thermostat should power up.
- 7) When the configuration process starts, use the “I’m a Pro” option.
  - a) Choose Rc Only connected.
  - b) Choose Multi-speed fan.
  - c) The thermostat should detect the correct settings. If not assign Y2 and W2 as below.
  - d) Select temperature units.
  - e) Select 4-pipe unit regardless of the fan coil system installed. The Omachron FCCB will supply hot or cold in a 2-pipe system and control e-heat as necessary.
  - f) Continue with the remaining customer requirements.

## Configuration Complete

Once the configuration is complete the thermostat controls the call for heat, cool, and fan speed.

Ecobee Label	Function Description	FCCB Label	Ecobee
Rc	24VAC power from FCCB	24R*	
G	Fan Relay	FAN-L	
Y1	Request for cool	YA	
W1	Request for heat	WY	
O/B	Not used		
Rh	Not used		
C	24VAC Common Wire	24C	
Y2	2 <sup>nd</sup> speed fan relay	FAN-M	
W2	3 <sup>rd</sup> speed fan relay	FAN-H	
ACC+	Not used		
ACC-	Not used		