

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC 2022-00xx

Date: 04/19/2022

Title: Dehumidification (DRY) mode for 40MBAA using Ecobee Thermostat

Product Category: Ductless (DLS)

Products Affected:

Ductless (DLS)

Model # 40MBAAQ__XA3 Sizes 24 - 36

Serial Number(s) – ALL

Situation:

Field assistance for proper setup of Dehumidification (DRY) mode of 40MBAA using Ecobee Thermostat

Technical Information:

These instructions are for Ecobee thermostat only. Other thermostats with humidity control features will require setup that is not covered here.

References:

See Steps below:

1. Go to "settings" from main menu at Ecobee
2. Go to installation settings > equipment > wiring to verify that the thermostat sees a wire on Acc+
3. Go back to reconfigure equipment
4. Go to question "do you have an accessory"-select Dehumidifier
5. Select "1 wire" (Acc+)
6. Go to question "what is relay state when dehumidifier is active"-select **Closed**
7. Go back to equipment in installation settings - select Dehumidifier
8. Answer NO for "dehumidify in heat mode"
9. Go back to installation settings > test equipment > dehumidifier select "ON" to test
10. Go to air handler and verify mode 4 is displayed (dry mode) on Interface Board
11. Turn off "test" at thermostat and go back to main menu-select system
12. Select dehumidifier then turn dehumidifier on

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

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13. On same menu page, locate humidity adjustment and set it to desired level for conditioned space

NOTE:

The thermostat **MUST** be in cooling mode for dry mode to operate

Cooling demands will take priority over dehumidification demands

(Example: Humidity setpoint is 60% and unit is running in DRY mode. Temperature setpoint is 74 and space temperature rises to 75 degF. Cooling comes on and runs until the setpoint is satisfied.)

If there is a dehumidification demand after a cooling demand is satisfied the system will automatically switch back to dry mode

When Dry Mode dip switch 3-1 is turned ON - Auxiliary Heat will not be allowed to operate