



# HUMIDISTAT

## INSTALLATION INSTRUCTIONS

### APPLICATION

This Lomanco humidistat is designed to be used in conjunction with your power ventilator to reduce excessive dampness in the attic. The humidistat control senses the amount of moisture in the air. At a predetermined moisture level the control will energize the power ventilator and continue to operate it until the moisture is reduced to acceptable levels.

### LOCATION

Mount the humidistat in the attic near the power ventilator. Keep out of the direct air stream and away from openings that might allow outside air to influence the operation.

### ELECTRICAL RATING

This humidistat is rated at 7.5 amps full load at 120 VAC-60HZ.

### WIRING

All wiring must comply with local codes. Use #18 or larger wire. Wire the humidistat parallel with the power ventilator thermostat as shown on back of this sheet. In this manner, either a rise in temperature or a rise in humidity will energize the power ventilator.

### SETTING

Condensation occurs when air touches a surface whose temperature is at the dew point of the air (100% relative humidity). For automatic humidistat operation, set the humidistat at 70%-80%. This will activate the power ventilator before the air reaches 100% relative humidity. If the area remains too humid or if mold and/or mildew are present set the humidistat to 40%. If the fan runs excessively and the area is not over humid, increase the setting of the humidistat to a higher percentage rate.

### THREE MUST DO Steps to attic ventilation

#### 1 Install all Exhaust Ventilation at the SAME HEIGHT within a common attic area.

Installation of exhaust vents at more than one level on a roof allows the upper exhaust vent to pull air in from lower exhaust vents rather than from the intake vents. Intake air must come from intake vents located near the lower part of the attic space to properly ventilate the total attic area and eliminate weather infiltration.

#### 2 Install ONLY ONE TYPE of Exhaust Ventilation within a common attic area.

Exhaust Vents pull air from the easiest intake source. Vent types cannot be mixed. The use of different types of exhaust vents could make one of the vents act as intake for the other. Intake air must come from intake vents located near the lower part of the attic space to properly ventilate the total attic area and eliminate weather infiltration.

#### 3 Install a BALANCED SYSTEM of Intake and Exhaust Ventilation.

**50% Intake Ventilation** - Intake vents located near the lower part of the attic area are required to balance out your ventilation system.

**50% Exhaust Ventilation** - Use a Lomanco Ventilation Selector Guide, or the calculators at [lomanco.com](http://lomanco.com) to determine the number of vents needed to properly ventilate an attic to meet the minimum code ventilation standard.

Parts and accessories available online.

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# Humidistat Wiring Diagram

