

ATTENTION INSTALLER:

This product must be installed by a qualified heating and air conditioning contractor. Failure to do so could result in serious injury from electrical shock.

This product must be installed in compliance with all local, state and federal codes.

Proper humidification and humidity control also requires that the home be constructed in accordance with local codes and good building practices.

Aprilaire® MODEL 600 SERIES HUMIDIFIER

WARNING

1. ELECTRICAL SHOCK HAZARD.

Disconnect electrical power to the furnace before starting installation. Failure to do so could result in serious injury from electrical shock.

2. SHARP EDGES HAZARD.

Sharp edges may cause serious injury from cuts. Use care when making plenum openings and handling disconnects.

3. RISK OF SCALDING.

Water temperatures over 120°F can cause severe burns and scald instantly. Shut off the hot water supply before disconnecting or tapping into any hot water supply line.

CAUTION

RISK OF PROPERTY AND EQUIPMENT DAMAGE.

1. Do not install humidifier where freezing temperatures could occur. The water line could freeze and crack causing water damage to the home.
2. Do not install humidifier or bypass connection on the furnace jacket.
3. Do not install humidifier or bypass connection on a plenum face where the blanked off ends of the cooling coil will restrict air movement through the humidifier.
4. Do not set humidity level above recommended or to recommended level if condensation exists on inside windows or any unfrosted species, as condensation damage may result. Excess humidity can cause moisture accumulation which can allow the possibility for mold growth in the home.
5. Do not connect Model 600 or 600M transformer to blower motor wiring. Premature component failure may result.
6. When installing Humidifier Control on downflow furnace, ensure blower continues to run after a heat call is satisfied to eliminate high temperatures from damaging the Control.
7. Do not install humidifier where water pressure exceeds 125 psi, since damage to the humidifier may result. Follow codes in effect concerning pressure reduction.
8. Do not install humidifier on systems with greater than 0.4 in. w.c. pressure differential between supply and return plenums.

SPECIFICATIONS

HUMIDIFIER DIMENSIONS

Width (including solvent valve): 15-1/2" Height (including drain spout): 15-1/4" Depth: 10-1/4"

BYPASS DUCT DIMENSIONS

6" diameter

PLenum OPENINGS

107W x 123H"

WATER FEED RATE

2 gph

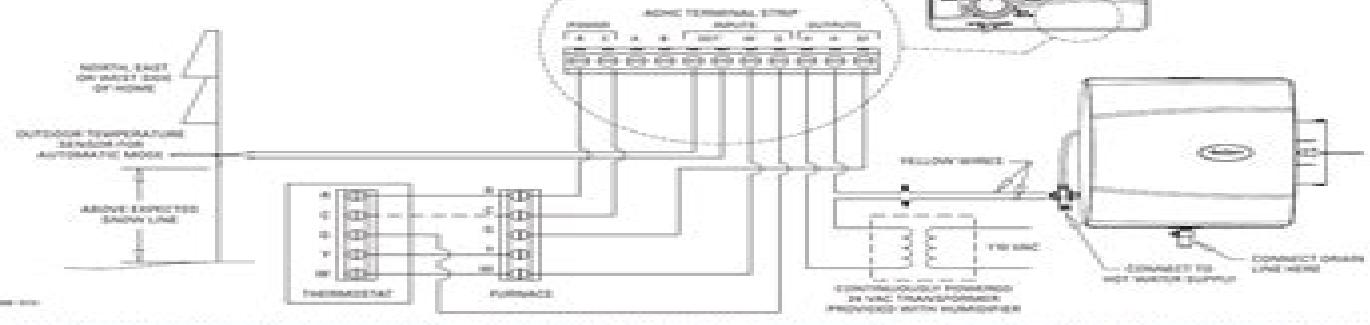
ELECTRICAL DATA

24 VAC-60 Hz, 0.5 AMP

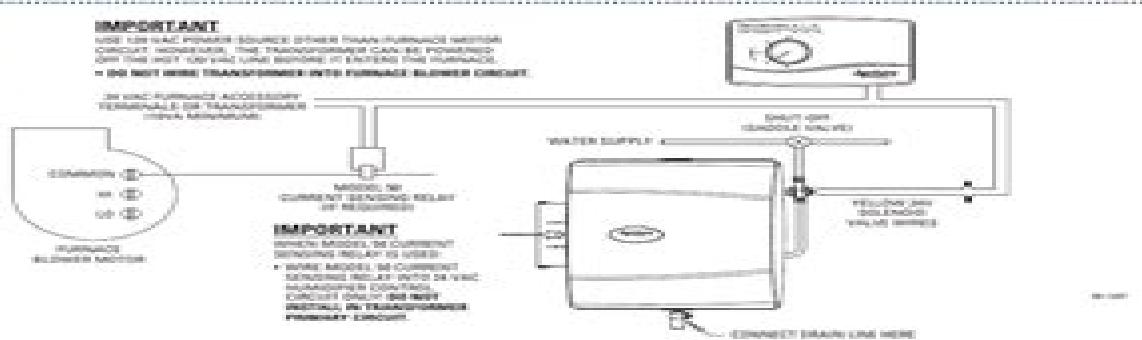
RECOMMENDED WIRING DIAGRAMS

SEE STEP 7 ON BACK AND "HUMIDIFIER CONTROL SAFETY AND INSTALLATION INSTRUCTIONS" FOR DETAILED WIRING INSTRUCTIONS.

Model 600 DIGITAL HUMIDIFIER CONTROL



Model 600M MANUAL CONTROL



INSTALLATION OPTIONS

The Model 600 and 600M Aprilaire can be installed on either the supply or return plenum of a forced air handling system and is easily reversible for installation with right hand or left hand bypass duct connections. The humidifier dimensions and serviceability must be considered when selecting the best location for the humidifier. Here are 2 examples of many types of installations.

Upflow



Horizontal



NOTE

When installing the Aprilaire humidifier with the Aprilaire Digital Humidifier Control or on a heat pump system, use hot water. This heated water supplements the reduced supply air temperature as added heat for evaporation.

Aprilaire Model 6owners Manual

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