



SPECIFICATIONS

SYSTEM

TYPE: RESIDENTIAL HUMIDIFIER CONTROL - RETURN DUCT-MOUNTED

OPERATIONAL ENVIRONMENT RANGE: 20°F - 120°F

0% - 100% RH

USER INTERFACE

DISPLAY TYPE: LCD, BLUE LED BACKLIGHT - DISPLAYS RH & SETTING WHEN ADJUSTING

LED INDICATORS: HUMIDIFIER ON: GREEN

CHANGE WATER PANEL: AMBER

CALL DEALER: RED

WIRING TERMINALS (24 VAC)

R&C: INPUT POWER FROM HVAC EQUIPMENT

A&B: COMMUNICATION WITH AUXILIARY DEVICE

ODT: OUTDOOR TEMPERATURE SIGNAL

W: BLOWER OPERATION SIGNAL FROM HVAC EQUIPMENT

G: BLOWER OPERATION SIGNAL FROM THERMOSTAT

H,H: HUMIDIFIER

Gf: BLOWER SIGNAL TO FURNACE

WATER PANEL CHANGE-OUT TIME POTENTIOMETER: OFF - 75 HRS, 300 HRS OR 600 HRS

RH ADJUSTMENT KNOB ON POTENTIOMETER

BLOWER CONTROL MODE SELECTION: ON - ACTIVATES HVAC BLOWER ON CALL FOR HUMIDITY

OPERATIONAL MODE: MANUAL OR AUTOMATIC MODE - ADJUSTS RH SET POINT BASED ON OUTDOOR TEMP.

TEST MODE: SYSTEM TEST

ELECTRICAL

POWER SUPPLY:

AC POWER - 24VAC (18 - 30VAC) AT 60Hz

INPUT DESIGNATIONS: R AND C

POWER CONSUMPTION: 0.08A @ 24VAC

FUSE PROTECTION: NONE

HUMIDITY MEASUREMENT:

DISPLAY RANGE: 0% TO 99% RH

TOLERANCE: ±3% RH (68 - 70°F; 30% RH)

OUTDOOR TEMPERATURE MEASUREMENT:

TOLERANCE: ±2°F (-40°F TO 140°F)

WIRE LENGTH: 300 FT MAXIMUM

THERMAL TIME CONSTANT: 10 SECONDS (STILL AIR)

CONTROL

MINIMUM ON AND OFF PROTECTION TIMERS:

HUMIDIFIER MINIMUM ON/OFF TIME: 5 SECONDS

HVAC BLOWER MINIMUM ON TIME: 2 MINUTES

HUMIDITY

CONTROL ACCURACY: ±3% RH

CONTROL RANGE: 0% TO 45% RH

DIFFERENTIAL: 3.0% RH

CONTROL OPTIONS

SYSTEM SETTING: AUTO OR MANUAL

HVAC BLOWER: OFF OR ON

RH SETTING RANGE: 1 TO 7, OFF (7: MAX HUMIDITY)