

Installation Guide

080Z2171

EMHS-3-1 Humidistat temp & Humidity

Identification

The 080Z2171 combines an indoor relative humidity sensor with an RTD thermistor ambient temperature sensor in one housing. Through conditions established in the control configuration, it can be used to calculate dewpoint. The 080Z2171 is compatible with all Danfoss AK255 controllers as well as legacy controllers (AKC55).

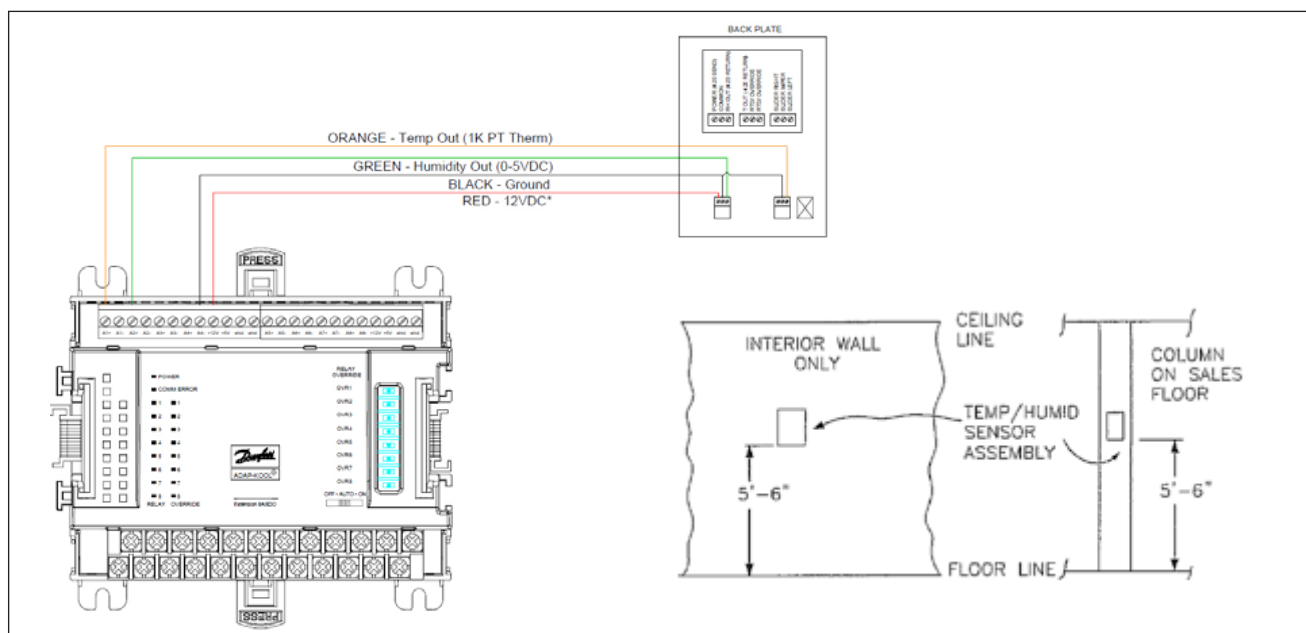


Specifications

Size:	3.5" X 4.8" X 1.2"	
Power requirement:	12 Vdc supplied by the I/O board	
Operating environment:	Humidity:	0 to 100% RH, non-condensing
	Ambient temperature:	50°F to 95°F 10°C to 35°C
RH Output:	0-5Vdc	

Installation and Inspection

The 080Z2171 should be mounted on an interior wall or column 5'6" above the floor line. If column falls in the middle of a gondola, the 080Z2171 should be mounted 1' above the top of the gondola. Additional information can be found on the information sheet enclosed with the sensor.



Ordering

Description	Part #:
EMHS-3-1 Humidistat temp & Humidity	080Z2171

Danfoss Inc.
ELECTRONIC DIVISION
Baltimore, MD

Programming Note:

For software versions older than 2.030

1. Go to misc. Configuration and setup a conversion factor. Set the min input to 0v, the max input to 5.0V, the min output to 0% and the max output to 100.0%. Name the conversion "emhs3-1" (see fig. 1 For details)
2. Setup board and point settings under misc sensor screen. (See fig. 2 For details)

For software versions 2.030 And newer, configure the board and points under misc sensor input and select "emhs3-1" as the sensor type.

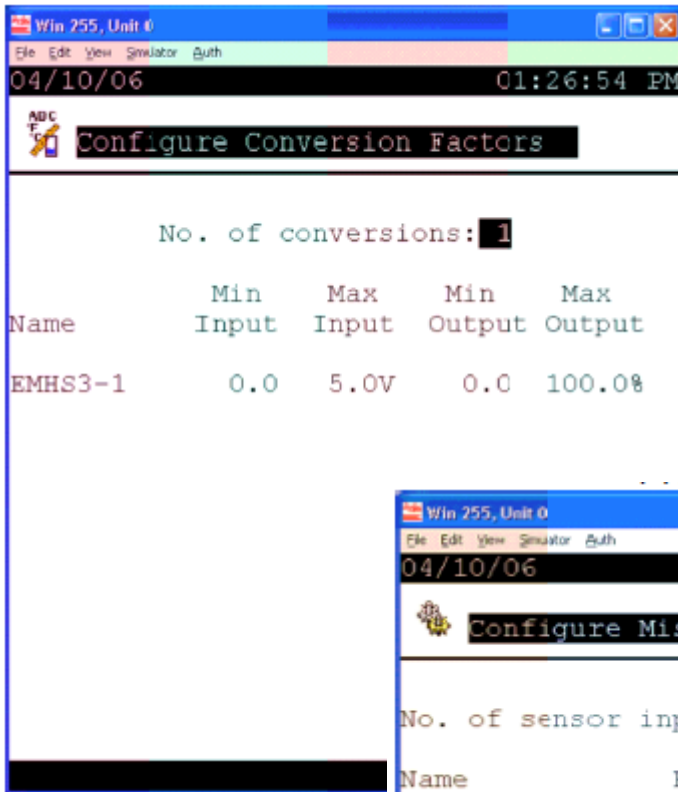


Fig. 1

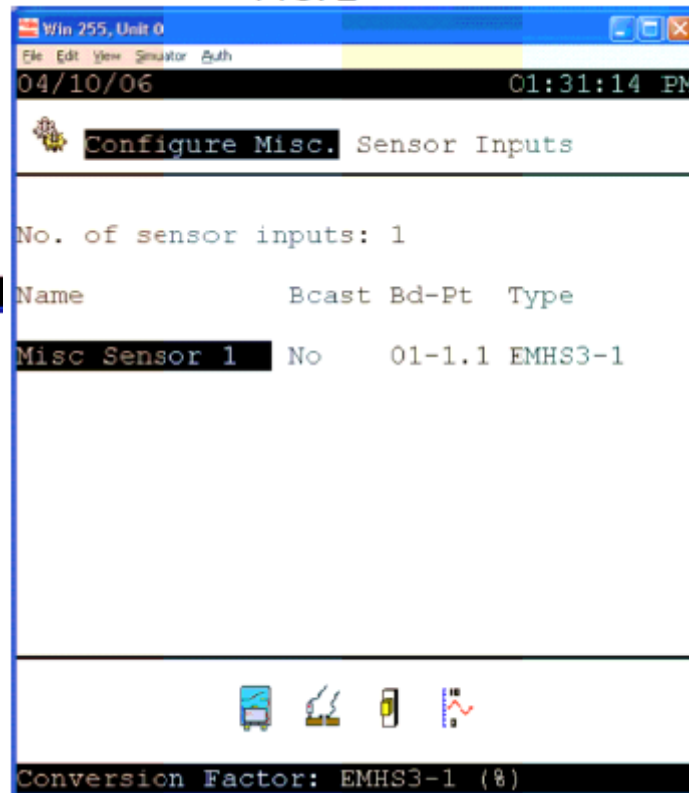


Fig. 2