

# Freezer Package, INS-FP



Electric Heated, Humidity Control

atmosphere is everything

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## Freezer Package Specs

Package Part #	Description
INS-FP	Freezer Package
Includes:	99-324 Humidistat, Analog, SPDT
	INS-HD Factory Wired Heat on Demand for LP2/STD2/HV2/EP2
	99-034 Kit, 2 Speed Switch, 17A@250V, TPDT, Toggle w/ 2"x4" NEMA 1 J-Box

### Freezer Package Features:

- ❖ Applicable with electric heated air curtain for freezer application
- ❖ Minimizes icing, fogging and condensation at freezer entrance<sup>‡</sup>
- ❖ Regulates heat and humidity at the freezer entrance with air curtain
- ❖ Allows automatic control of heated air
- ❖ Humidistat turns heater on even after door closes to melt any condensation on the door and floor (HOD Mode)
  - Toggle switch provided to turn OFF "HOD mode"
- ❖ High-Low speed motor, manual selection\*.
- ❖ Heat ON-OFF at Humidistat to disable heat
- ❖ Low voltage (24V) control
- ❖ Remote wall mounted Humidistat<sup>†</sup>
- ❖ 1 year parts warranty

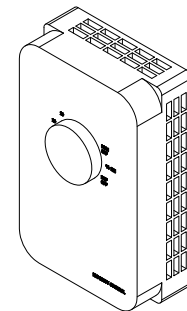
<sup>‡</sup> **Disclaimer:** Air curtain is only one component of an entire system to eliminate icing, fogging and condensation issues and is not meant to replace a high speed door. An air curtain will minimize the heat transfer from the warm side to the freezer but will not eliminate icing, fogging and condensation completely but will minimize if used correctly with appropriate accessories.

\* May require additional single phase power for air curtains with 460V electric heaters

<sup>†</sup> Do not mount humidistat greater than 30ft from the air curtain. Mounting the humidistat too far from the air curtain may cause a voltage drop and cause chattering.

### Humidistat Features:

- ❖ Human hair sensing element for stable and accurate measurement
- ❖ Wide set point range (0% to 70% RH) with OFF position
- ❖ Humidistat features field-adjustable high-low range stops that can be locked
- ❖ Vertical or horizontal mounting options available. Faceplates provided.
- ❖ Enclosed pennyswitch provides dust protection for contacts
- ❖ Easy mounting and wiring without having to remove covers
- ❖ SPDT control for use on low or line voltage
- ❖ Allen-key locking screw to discourage unauthorized tampering
- ❖ Easy to read dial for selection of desired set point

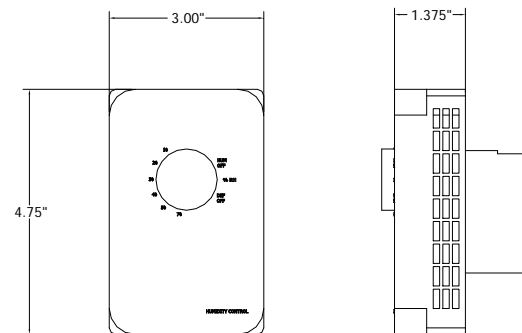


### Typical Sequence of Operation:

- ❖ Door Open, Humidistat Calls for Heat – Fan ON; Heat ON
- ❖ Door Open, Humidistat Does not Calls for Heat – Fan ON; Heat OFF
- ❖ Door Closed, Humidistat Calls for Heat – Fan ON; Heat ON (HOD Mode)
  - "HOD Mode" can be manually turned OFF if desired
- ❖ Door Closed, Humidistat Does not Calls for Heat – Fan OFF; Heat OFF

### Options and Accessories:

- ❖ Nozzle Extension
- ❖ Time Delay
- ❖ Custom SOO
- ❖ 2 stage heat controls
- ❖ Side Baffles



99-324: Analog Humidistat

NOTE: MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.