

# TEMPERATURE

## COMBINATION AVERAGING SENSOR/FREEZESTAT AS103759



**MINCO**



### DESCRIPTION

The Minco AS103759 Chill Out™ combination sensor is a solid state low temperature cutout and duct averaging sensor all within one product. The AS103759 Series sensor provides a digital alarm contact and a 1000Ω 385 platinum resistance curve for accurate monitoring of your duct conditions. The solid state design and the 3/8" tubing eliminate concerns of gas leaks or kinking the capillary during installation. The AS103759 Series Sensor features a ultra flexible plenum-rated PVC coated galvanized steel armor sensor case. Switch points are factory set at 38°F (3.3°C) but are easily field adjustable. Upon a power loss the AS103759 Series Sensor reverts to its normal state.

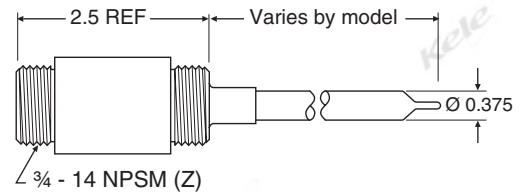


AS103759

### FEATURES

- Averaging sensor and freeze stat in one sensor
- Solid state technology
- Mounts in any direction
- Ultra flexible
- Power loss detection
- Field adjustable
- Digital alarms signal

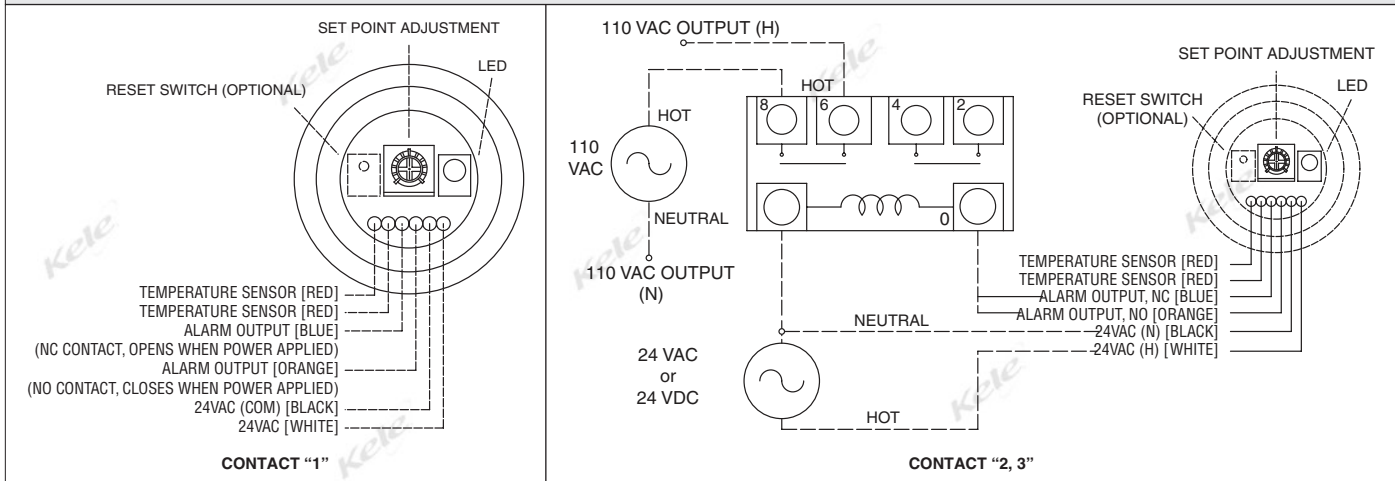
### DIMENSIONS



### SPECIFICATIONS

<b>Supply Voltage</b>	24V VAC/VDC	<b>Optional Relay Output Rating</b>	25 A at 277 VAC 25 A at 120 VAC 1 HP at 120 VAC 2 HP at 277 VAC
<b>Accuracy</b>	±0.9°F (±0.5°C)	<b>Enclosure</b>	Metal handy box, 2" x 4", 4" x 4", or 2" x 4" weather resistant
<b>Sensor Casing</b>	PVC coated flexible galvanized steel	<b>Wiring Terminations</b>	AWG 18 leadwires, 3/4-14 NPSM (Z) electrical connection
<b>Sensor Type</b>	1000Ω RTD Pt 385 curve	<b>Warranty</b>	3 years
<b>Sensor Length</b>	10' (3.1 m), 24' (7.3 m), 50' (15.2 m)		
<b>Alarm Contacts</b>	0.3 A at 125 VAC, Max. Voltage 125 VAC, or 1A at 30 VDC, Max. Voltage 110 VDC		
<b>Alarm Relay Setpoint</b>	30° to 44°F (-1.1° to 6.7°C)		
<b>Maximum Output Impedance</b>	635Ω		

### WIRING





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### ORDERING INFORMATION

MODEL	DESCRIPTION
AS103759PF	Chill Out™ combination averaging sensor (1000 ohm 385 RTD) and freeze stat
<b>RELAY TYPE</b>	
N	Non-latching relay (auto reset)
L	Latching relay (manual reset)
E	Latching relay (remote reset), (use "L" enclosure only)
<b>ELEMENT LENGTH</b>	
10	10' (3.1m)
24	24' (7.3m)
50	50' (15.2m)
<b>CONTACT RATING</b>	
1	0.3 A relay rating
2	25 A VAC powered controller/coil (use "L" enclosure only)
3	25 A VDC powered controller/coil (use "L" enclosure only)
<b>ENCLOSURE STYLE</b>	
N	No enclosure
S	Standard handy box (2" x 4")
L	Dougle gang handy box (4" x 4")
W	Weather resistant utility box (2" x 4")

### RELATED PRODUCTS

PAGE		
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT	994
691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2	979
TE-6001-8	Duct temperature element holder without box	
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT	995