Chill-OutTM Combination Sensor

Overview

- Two sensors in one easily installed package: a solid state low temperature cut-out ("Freeze Stat") and an averaging resistance temperature sensor.
- Digital alarm signal to RTU, PLC or an electronic control;
 24VAC-powered.
- Solid state design and rugged ³/8" diameter tubing eliminate concerns of gas leaks or kinking the capillary during installation.
- Mount in any direction horizontal installation is not required.
- Easily formed aluminum or ultra flexible plenum-rated PVC coated galvanized steel armor sensor case.
- Relay and control circuitry self contained in rugged housing.
 Mounts on either side of enclosure with a locknut (included).
- Failure detection feature relay changes state if power is lost
- 4 to 20 mA temperature loop output available with optional Temptran™ (ordered separately — see Section 5 for more information)

Specifications

Switching temperature: 38°F factory pre-set, user adjustable from 30°F to 44°F.

Accuracy: ±0.9°F (±0.5°C) typical.

Power requirement: 24V AC or DC.

Relay contact: User specified

Standard relay, SPDT (2" x 4" utility box) 0.3 A at 125 VAC, Max. Voltage 125 VAC, or 1A at 30 VDC, Max. Voltage 110 VDC

Optional power relay, DPST (4" x 4" utility box)

25 A at 277 VAC 25 A at 120 VAC 1 HP at 120 VAC 2 HP at 277 VAC

Sensor case length: 10 feet standard, lengths up to 50 feet available by special order.

Connection: AWG 18 leadwires.





Specification and order options

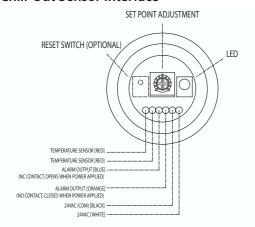
AS103759	Model number	
PF	Element Type:	
	PF = 1000 Ω RTD (0.00385 Platinum)	
38	Switching Temperature: 38°F	
	Specify 30 to 44°F	
N	Relay reset option:	
	N = Non-latching (auto reset)	
	L = Latching (manual reset)	
	E = Latching (panel mounted reset)	
	Note: option 'E' requires enclosure 'L'	
10	Case length: 10 feet	
Α	Case type:	
	A = Aluminum	
	B = Brass	
1	Relay Rating:	
	1 = 0.3A	
	2 = 25A, VAC powered controller/coil	
	3 = 25A, VDC powered controller/coil	
	Note: option 2 or 3 requires enclosure 'L'	
S	Enclosure:	
	N = No enclosure	
	S = Standard utility box (2" x 4")	
	L = Large utility box (4" x 4")	
	W = Weatherproof utility box (2" x 4")	
AS103759PF38N10A1S = Sample part number		

Order Replacement Relays

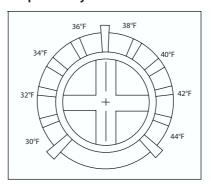
Model number	External Relay
AC103779	25A
	24VAC Coil
AC103780	25A
	24VDC Coil

Specifications subject to change

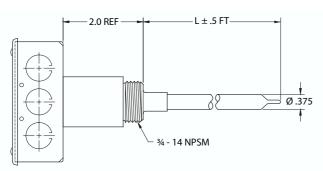
Chill-Out Sensor Interface



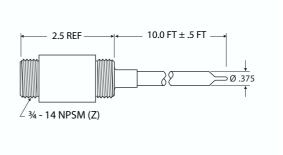
Setpoint Adjustment



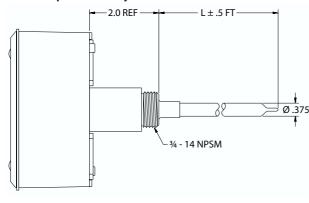
Standard and Large Utility Boxes



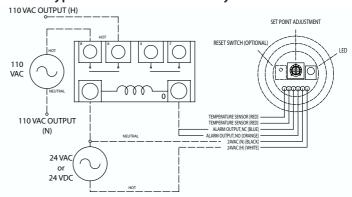
No Enclosure



Weatherproof Utility Box



Typical Installation with Relay



Specify and order products at: www.minco.com/sensors_config

Specifications subject to change

