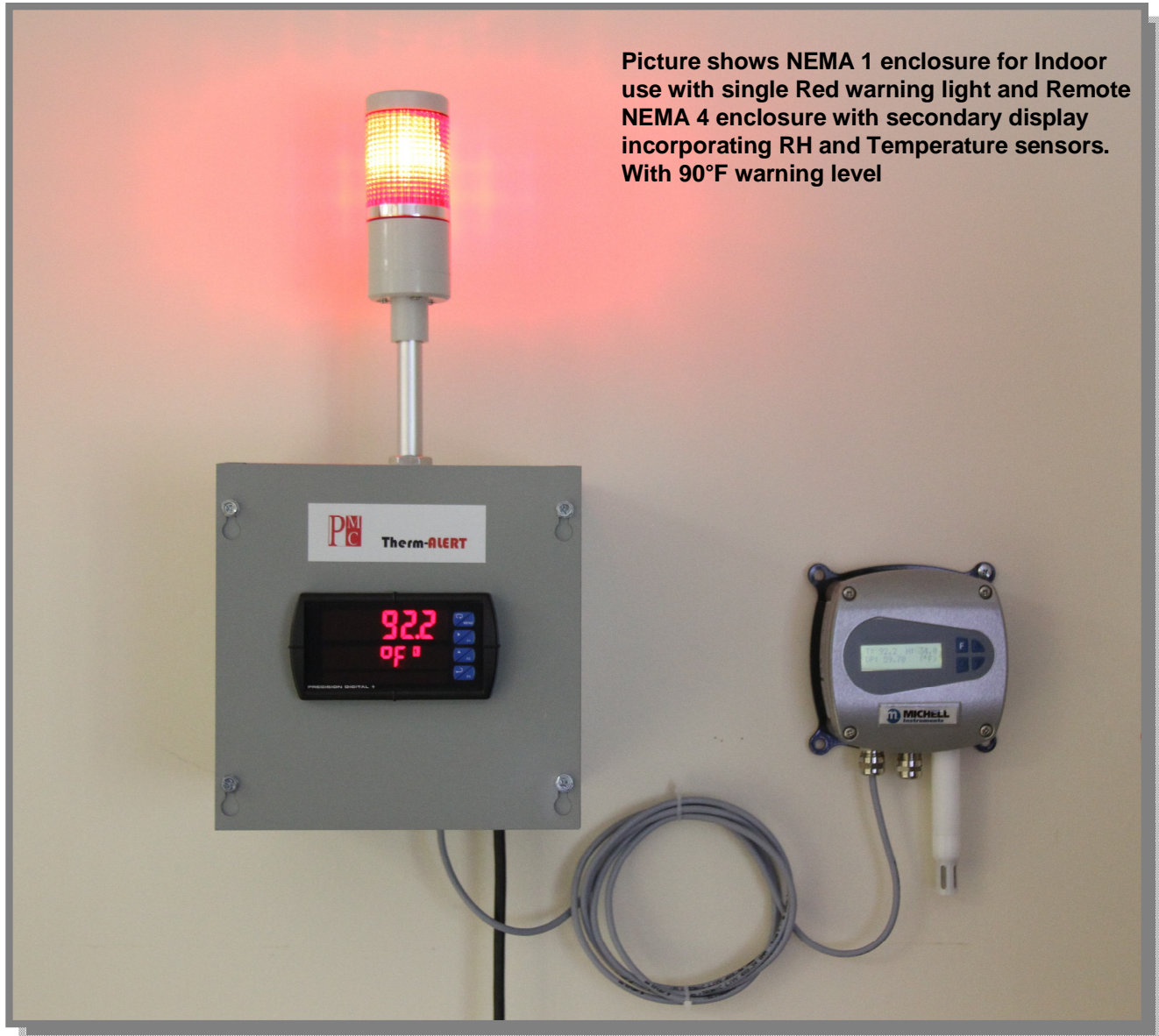




Environmental Safety Warning System

Therm-ALERT



Picture shows NEMA 1 enclosure for Indoor use with single Red warning light and Remote NEMA 4 enclosure with secondary display incorporating RH and Temperature sensors. With 90°F warning level

What does it do?

Provides accurate and reliable warning for dangerous temperature or Dew Point levels, generally in an industrial environment.

How does it work?

Uses rugged, precision sensors for Temperature, RH and Dew Point to measure environmental conditions.

User configurable?

Yes, set points are configurable throughout a wide performance range

What does it cost?

Very affordable, call PMC for details.

Product Overview

PMC **Therm-ALERT** is a very flexible and customizable sensing and alarm system intended to warn employees and management when temperature or dew point in working areas reach dangerous levels.

The system comprises a high performance capacitive humidity sensor with temperature element, coupled to a display with one or more switch outputs to control functions such as warning lights. The display is mounted within a NEMA 1 enclosure for indoor use or NEMA 4 for outdoors. The sensors can be installed within the main enclosure or in separate remote enclosure with or without a secondary display. The system is fully configurable to user needs, including choice of sensors, enclosure, display and annunciators.

Standard Specifications

■ Dew Point & Temperature Measurements

- Integral Indoor Sensor - PC62
 - Remote Indoor Sensor with/without display - WM52
 - Remote Outdoor Sensor – PC62/Weather Cap A000125
- See data sheets for specifications www.pmc1.com

■ Display Enclosures

Wall Mount, Indoor use, NEMA 1 - 8"W x 8"H x 8"D
Wall Mount, Outdoor use, NEMA 4 – 9.9"W x 6.5"H x 6.7"D
Others available, consult PMC

■ Display & Settings

- Large Dual-line 6 digit Display, 0.6" & 0.46"
- Top – Temperature or Dew Point from -40° to 140°F
- Bottom – Units, °F, °C, or °F DP, °C DP (Dew Point)
- For standard instruments, set points and two switch points can be made at any value throughout the measurement range.
- The switch dead band is infinitely adjustable

■ Warning Lights

LED 3 watt Stack Lights, Single–Red, Dual–Red/Yellow
Generally designed to NEMA 4
Other colors, multiple lights and audible or strobe alarms available, contact PMC

■ System performance

Set Point accuracies:
- Temperature $\pm 0.4^{\circ}\text{F}$ and Dew Point $\pm 1.5^{\circ}\text{F}$
All Calibrations traceable to NIST

■ Electrical

85-265 VAC, 50/60 Hz, 20 VA

How to Order

The following standard configurations are available:

ESWS-NEMA1-DP/T(I)- 1L

Basic Display, indoor use, integral sensors, single light.

ESWS-NEMA4-DP/T(I)-1L

Basic Display, outdoor use, integral sensors, single light.

ESWS-NEMA1-DP/T(R)-1L

Basic Display, indoor use, remote sensors, single light.

ESWS-NEMA4-DP/T(R)-1L

Basic Display, outdoor use, remote sensors, single light.

ESWS-NEMA1-DP/T(I)- 2L

Basic Display, indoor use, integral sensors, dual lights.

ESWS-NEMA4-DP/T(I)-2L

Basic Display, outdoor use, integral sensors, dual lights.

ESWS-NEMA1-DP/T(R)-2L

Basic Display, indoor use, remote sensors, dual lights.

ESWS-NEMA4-DP/T(R)-2L

Basic Display, outdoor use, remote sensors, dual lights

ESWS-NEMA1-DP/T(RD)-1L

Basic Display, indoor use, remote display, single light.

ESWS-NEMA1-DP/T(RD)-2L

Basic Display, indoor use, remote display, dual lights.

Many other configurations are available. Please consult PMC



Weather Cap for
Outdoor Sensor

WM52 Remote Indoor
Sensor with/without display



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