LEAK DETECTION

Floodline® P-TH3 Temperature and Humidity Sensor

Self-recovery and self-calibration functions ensure consistent accuracy of measurement and long-term stability



Overview

The Floodline® P-TH3 uses cutting-edge self-recovery and self-calibration semiconductor technology to measure environmental temperature and humidity with an easy-to-read display. It connects to a Floodline® control panel or integrates into a Building Management System.

Applications

Typical applications include communication rooms, data equipment rooms, laboratories, libraries, offices and other areas where temperature and humidity measurement and control is critical. Two models are available: the P-TH3-E30 (user-configurable alarm thresholds with solid-state outputs) and the P-TH-E10 (RS485 Modbus RTU interface for remote monitoring).

Benefits at a glance

- Latest semiconductor technology accurately measures temperature and humidity
- Easy-to-read screen continuously displays temperature and humidity levels
- Can connect to a Floodline® control panel or BMS
- For sensitive areas where environmental conditions are critical
- Robust PC/ABS enclosure for wall mounting
- Self-recovery and self-calibration
- High measuring accuracy and long-term stability
- 2 models available

Configurations

P-TH3-E30
User-settable high and low temperature/humidity alarm thresholds; solid-state SPST-NO outputs for temperature and humidity alarms

P-TH-E10
RS485 Modbus RTU interface for remote monitoring; no alarm thresholds. Model is specified when ordering

TECHNICAL INFORMATION

SPECIFICATION

Temperature measurement: -20°C to +80°C, ±0.5°C at 25°C

Humidity measurement: 0 to 100% RH ±5%RH at 25°C

Alarm function: High and low temperature/humidity alarm thresholds (P-TH3-E30)

Outputs: Over/under temperature alarm SPST-NO, 40VDC/AC 0.1A (P-TH3-E30); over/under humidity alarm SPST-NO, 40VDC/AC 0.1A (P-TH3-E30); RS485 Modbus RTU (P-TH-E10)

Power supply: +12VDC (6–15VDC), 0.144W

Construction: PC/ABS enclosure

Enclosure dimensions: 80mm (H) × 80mm (W) × 30mm (D)

Fixing: Wall mounting