Temperature & Humidity Sensor

Model: THS-90R, THS-90RD
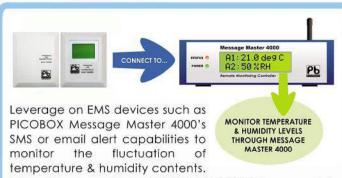
PICOBOX

Your reliable ambient temperature & humidity sensor

Overview

PICOBOX Temperature & Humidity Sensor (THS-90R & THS-90RD - D is with LCD display) was designed to measure both ambient temperature & humidity levels of a room or a single enclosure. The compact unit housed an analog output of 4-20mA with noise filter and operates on a DC voltage of 12V.

Its dedicated IC sensor provides linear and accurate measurement. THS-90R & THS-90RD works as a companion product with an Environment Monitoring System (EMS) device, where you could monitor temperature & humidity level remotely via SMS / Email alert sent from the device when levels fall out of the expected range.

SMS / Email Alert

CONNECT TO...

Message Master 4000
STATUS
POWER
A1: 21.0 deg C
A2: 50 %RH
Remote Monitoring Controller

MONITOR TEMPERATURE & HUMIDITY LEVELS THROUGH MESSAGE MASTER 4000

Leverage on EMS devices such as PICOBOX Message Master 4000's SMS or email alert capabilities to monitor the fluctuation of temperature & humidity contents.

Mount the base plate of THS-90R / THS-90RD on any flat, dry surface and secure the cover. Install it ideally in the middle of a room or centralized area for maximum accuracy measurements. Connect THS-90R / THS-90RD to the EMS device's analog input connector and specify the required temperature measurement range and associated accuracy. THS-90R / THS-90RD will trigger an SMS / Email notification to the user through the EMS device with configurable response time.

Applications

THS-90R & THS-90RD are specified for maximum accuracy measurements of +/- 0.3°C and +/- 2%RH. It can be mounted on any dry surface, on a flat interior wall or above suspended ceilings and be used in typical areal such as:

Some typical areas:
☐ Data Centres
☐ Computer / Server Rooms
☐ Telecommunication Cabinets
☐ Research / Medical Laboratories
☐ Hospitals
☐ Green House
☐ Weather Stations
☐ Generator Room
☐ Commercial Buildings
☐ Educational Institutions

Specification

Chassis: ABS plastic

Operating voltage: 12V DC

Interface: 4 wire (2 power, 1 temperature, 1 humidity)

Output: 4-20mA, with noise filter

Dimension: 100(L) x 80 (W) x 30 (H)

Weight: 150g

Accuracy: +/- 0.3°C +/-2%RH

Range: 0-50°C , 0-100%RH

Features

☐ Durable & compact ABS plastic chassis
☐ Reliable & low maintenance
☐ Wide DC voltage
☐ 4 - 20mA Analog output that comes with noise filter
☐ Accuracy measurements of +/- 0.3°C and +/- 2%RH

Authorised Distributor / Reseller

In the interest of product development, specifications are subject to changes without prior notice.