SENSAPHONE®
REMOTE MONITORING SOLUTIONS

WIRELESS SENSOR NODE

SENSAPHONE® IMS-4000
Infrastructure Monitoring System

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       IMS-4000
     Wireless Node
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MENU UP DOWN ENTER

WIRELESS SENSOR NODE

IMS-4200

WIRELESS COMMUNICATION

Now you can monitor conditions around the computer room without running cables. The IMS-4000 Wireless Sensor Node is a fully compatible IMS device that allows you to monitor a variety of environmental conditions from wireless sensors. This technology includes full analog capability, so real world values can be monitored.

SENSORS

The Node can accept up to eight wireless sensors including temperature, humidity, water detection, and power failure. In addition to the wireless sensors there are also two interface modules; a 4-20ma wireless module and a Dry Contact wireless module. These allow you to connect to existing equipment or sensors and transmit their status back to the Node. Each sensor becomes part of a private wireless mesh network with the Node, allowing for greater range and reliability.
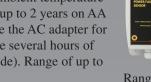
IMS WIRELESS SOLUTION

Wireless Accessories

Wireless Temperature Sensor

Includes a built-in sensor to measure ambient temperature between 32°F and 115°F. Can operate up to 2 years on AA batteries as an end-device sensor or use the AC adapter for mesh networking (AA batteries provide several hours of backup power in mesh-networking mode). Range of up to 250' indoors.

Wireless Temperature Sensor **IMS-4210**

Wireless Temperature w/ External Sensor

Includes an external temperature probe to monitor temperatures from (-109°F to 115°F) in a refrigerator/freezer or other hostile environment. Can operate up to 2 years on AA batteries as an end-device sensor or use the AC adapter for mesh networking (AA batteries provide several hours of backup power in mesh-networking mode). Range of up to 250' indoors.

Wireless Temperature w/ External Sensor **IMS-4210-E**

Wireless Humidity Sensor

Measure humidity from 0 - 100% RH (indoor use only). Can operate up to 2 years on AA batteries as an end-device sensor or use the AC adapter for mesh networking (AA batteries provide several hours of backup power in mesh-networking mode). Range of up to 250' indoors.

Wireless Humidity Sensor **IMS-4211**

Wireless Dry Contact Sensor

Monitors Normally-Open or Normally-Closed contacts from external sensors or equipment. Can operate up to 2 years on AA batteries as an end-device sensor or use the AC adapter for mesh networking (AA batteries provide several hours of backup power in mesh-networking mode). Range of up to 250' indoors.

Wireless Dry Contact Sensor **IMS-4212**

Wireless Power Sensor

Monitors the AC power supply at any outlet and creates an alarm if power fails. Simply plug-in the AC adapter to any outlet. Internal AA batteries provide back-up when main power fails. Battery life depends on whether the sensor is configured as an end-device or a mesh networking device. Range of up to 250' indoors.

Wireless Power Sensor **IMS-4213**

Wireless 4-20mA Sensor

Monitors the output from any 4-20mA transducer. Custom table range so monitoring is in real engineering units. Built-in 24V power supply for providing 4-20mA loop power. Internal AA batteries provide several hours of back-up when main power fails. Can be configured as an end-device or a mesh networking device. Range of up to 250' indoors.

Wireless 4-20mA Sensor **IMS-4214**

Wireless Spot Water Detector

Monitors for the presence of water on the floor at a specific location. Water sensing probes located on the bottom of the enclosure. Can operate up to 2 years on AA batteries. End-device operation only (e.g. no mesh networking mode). Range of up to 250' indoors.

Wireless Spot Water Detector **IMS-4215**

Wireless Zone Water Detector

Detects the presence of water on a floor or in a false ceiling using water rope. Comes with 10' of water rope that can be extended up to 100'. Can operate up to 2 years on AA batteries as an end-device sensor or use the AC adapter for mesh networking (AA batteries provide several hours of backup power in mesh-networking mode). Range of up to 250' indoors.

Wireless Zone Water Detector **IMS-4216**

Specifications

Maximum Number of Wireless Sensors: 8

Wireless sensor technology: ISM 2.4GHz DSSS

Selectable mesh networking between sensors & Node

Wireless Range: Up to 300' indoors (node to sensor)

Ethernet: 10/100 Base-T

Display: Blue/White Backlit 4-line LCD w/keypad

Internal Rechargeable Battery backup: 6V 1.3AH Gel Cell (3 hour back-up time)

Power: 9VDC 350mA (power adapter included)

Operating Temperature: 32-115°F (0 - 46°C)

Operating Humidity: 0-90% RH non-condensing

Enclosure: Polycarbonate w/UV stabilizer, light gray

Antenna: 7" 2.4GHz 5dBi black omnidirectional

Enclosure Dimensions: 7.5" x 5.0" x 2.0"

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