



Eniscope Air Sense



Used in conjunction with other energy saving technologies - like air conditioning **scheduling** and control technologies to help optimise their performance based on **real-time data** from the implementation area.



Stands alone as a real-time **environmental sensor** with huge value potential allowing operators to **optimise** working conditions and air quality for staff, and the **comfort** of their customers.



Powered either by **lithium batteries** for convenient replacement or straight from the **mains**.



Core Functionality

- Temperature Sensing
- Humidity Sensing
- Occupancy Sensing
- Light Sensing
- 4 additional wired analogue inputs.
- 5. 1 x pulse input



Uses **RF communication**, utilising the Eniscope Air Connect to provide connectivity to the master Eniscope system, **without** the need for a **WiFi** connection.

“The Eniscope Air Sense provides valuable context to energy saving devices. Take air conditioning for example. The temperature data from Air Sense, taken at occupant level – not ceiling level – helps to optimise aircon for the real operating environment.”





Technical Specs

Supply Voltage (AD101/1)

100 – 277 VAC -10%/+6% (internally fused) or,
12V to 30V AC/DC - 0.1 amps

Fuse Rating (AD101/1)

100 – 277 VAC - 15mm 1 amp,
Littlefuse 209 series

Power Requirements (AD101/1)

Less than 0.1 amps

Battery Specifications (AD101/2)

Cell Size R6-AA
Lithium-thionyl chloride Li-SCoI2
Voltage 3.6V

Relative Humidity

0-100% RH (Accuracy = +/- 2%)

PIR

Maximum mounting height = 7meters
Detection angle + 46°
Maximum detection range = 12meters
Yellow PIR activation LED

Temperature Range

-20 - +60° (Accuracy = +/- 0.2°C)

Light Levels

16 bit A-D, Range scalable in
Analytics platform

LoRa Wireless Bands

Band 1 - 16 Channels,
865MHz – 870MHz
Band 2 - 16 Channels,
915MHz – 925MHz

Pulse Input x 1

2 Wire Input
Volt Free
1.5mA Pulse Current
Input frequency scalable in
Analytics

Powered Analogue Inputs x 4

Settable 0-10V, 0-1V, 4-20mA
Maximum external device supply
current 5mA, 3.3V

Enclosure Rating

IP20

Altitude

1000M

Dimensions

115 x 65mm

Weight

0.24kg

Safety

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