DATA SHEET



ENISCOPE AIR AMBIENT

Transform AirCon energy performance with automated intelligence & remote control

Overview

Eniscope Air Ambient the new generation of HVAC control from Best.Energy. It's a plug-and-play system, designed to seamlessly integrate with any thermistor-input air conditioning unit. It offers the chance to transform energy management in one of the most wasteful areas of any commercial building.

The IoT device delivers on and off switching capability using a set of logic-based controls; a set of rules which, if satisfied, trigger the on / off function. That can be a set of ambient temperature parameters, or a schedule based on operating hours.

This product works hand in hand with the Air Sense multi-functional environmental sensor. No longer do your AirCon units need to take their temperature readings inefficiently from ceiling level, now they can operate on a live feed from occupant level. After all, it's the occupants that matter! Inputs like temperature, humidity, time of day, occupancy and various others can all be used to optimise HVAC perfectly.

The Specifics

Up to 3 HVAC systems can be operated from a single Eniscope Air Ambient. One on-board temperature sensor and inputs for 2 local temperature probes supported when other temperature sources are not available. Powered from 12V to 30V AC/DC input - allowing power to be derived from either the HVAC directly (most support 24VAC output) or low voltage lighting or a PSU - locally sourced or Best.Energy provided.

As with all Eniscope Air products, this device does not require a WiFi connection.

Core Functionality

AirCon Cloud Scheduling

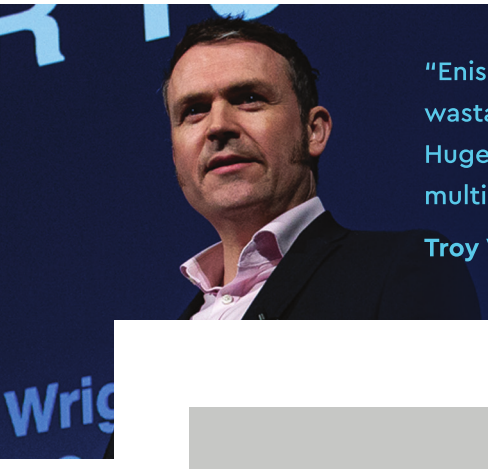
AirCon Temperature Control

AirCon Optimisation
(Occupancy, Humidity etc.)

Key features

Supply Voltage	12 to 30V AC/DC – 80mA. 1 amp mains converter module 100-277 VAC.
Evaporator temperature thermistor types	5K ohm @ 25°C 10K ohm @ 25°C 20K ohm @ 25°C 50K ohm @ 25°C
Air Ambient room temperature thermistor types	1 Wire DS18 digital
On board temperature monitor	PCB mounted
External Power Supply Fuse	Internal 100mA auto reset type
Switched Inputs	2 x Volt free, cloud configurable
Enclosure Type	Polycarbonate
Enclosure Rating	IP20
Operating Temperature	-20 - +60°
Altitude	1000M
Dimensions	H106, W123, D38mm Height excludes cable glands

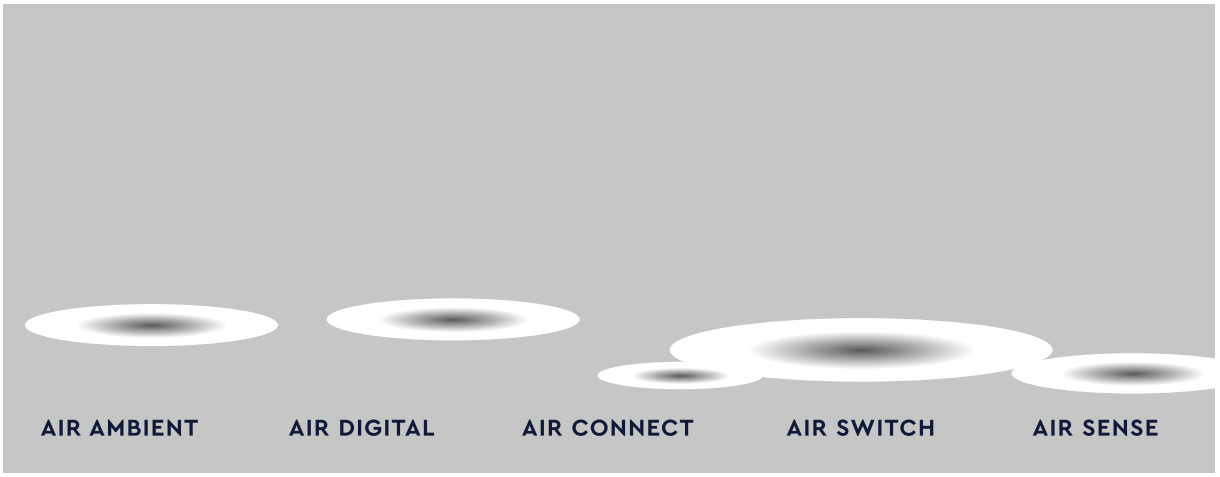
Weight	0.250Kg
Safety	EN 60730-1:2016
LoRa Wireless Bands	Band 1 - 16 Channels, 865MHz – 870MHz Band 2 - 16 Channels, 915MHz – 925MHz



"Eniscope Air Ambient is a truly transformative product for an area of energy wastage that is prevalent in so many businesses we work with – air conditioning. Hugely cost-effective and easy to install – this should be a key part of any multi-site retail energy solution."

Troy Wrigley, CEO @ Best.Energy

Discover the full range



No WiFi connection Required.
With a dependable LoRa network, this device limits the need for unreliable and costly WiFi networking.

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