

ENISCOPE AIR SWITCH

Device level monitoring & intelligent control

Overview

Eniscope Air Switch is an RF connected and controlled device offered as part of the 'Eniscope Air' suite of wireless energy saving products. It measures the power consumed by an attached device and allows the device to be turned on or off remotely.

This can be housed in various ways depending on its application and includes a soft override switch. This solution has a variety of real-world applications, but has been designed particularly with plug-loads, like food warmers, chip dumps and bottle fridges, in mind.

Unique Features

Unique features include; true power measurement, higher switching capacity than competitive devices, tamper and weather-proof construction and Eniscope Air compatibility for long-range control and scheduling.

Eniscope Air Switch has been built as an extension to the functionality provided on thousands of sites worldwide by Eniscope - the multi-channel, real-time energy monitoring hub. Simply plug an 'Air Connect' into an incumbent Eniscope to enable all the functionality required.

Example Applications

- Control a food warming cabinet to eradicate out-of-hours consumption
- Monitor power consumption of a drinks machine to flag maintenance issues
- Switch an asset on or off, depending on whether a room is occupied, humid, warm or well lit.

And many more!

Core Functionality

Asset-Level Energy Monitoring

Asset Cloud Scheduling (1-Phase)

Asset Performance Improvements
(In conjunction with Air Sense environmental data)

ESA ENERGY SAVING ASSOCIATION

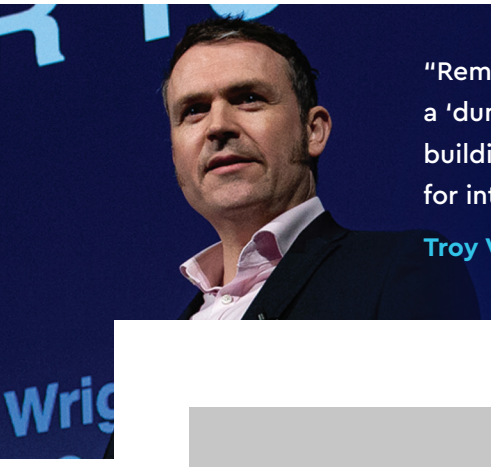
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Key features

Model	AD104/1
Supply voltage	100 – 277 VAC -10%/+6% (internally fused)
Fuse rating	15mm 1 amp Littlefuse 209 series
Power requirements	Less than 10 watts
Switch circuit current rating	20 amps resistive
Switch circuit motor rating (inductive)	2.5kW @ 277VAC, | 2.2kW @ 220VAC, 1.1kW @ 120VAC
Switching Element	Triac
Inductive rating starts per hour	20 evenly placed starts per hour @ full rating
Internal switch circuit fuse rating	10x38mm Body – 20A Ferraz A070GRB20T13
LED indication	Power On, LoRa link
Local override	Volt free contacts for On & Off
PIR input	PIR input and DC power supply 5V, 9V, 12V or 24V rated at 1 amp
Enclosure type	Polycarbonate
Enclosure rating	IP65

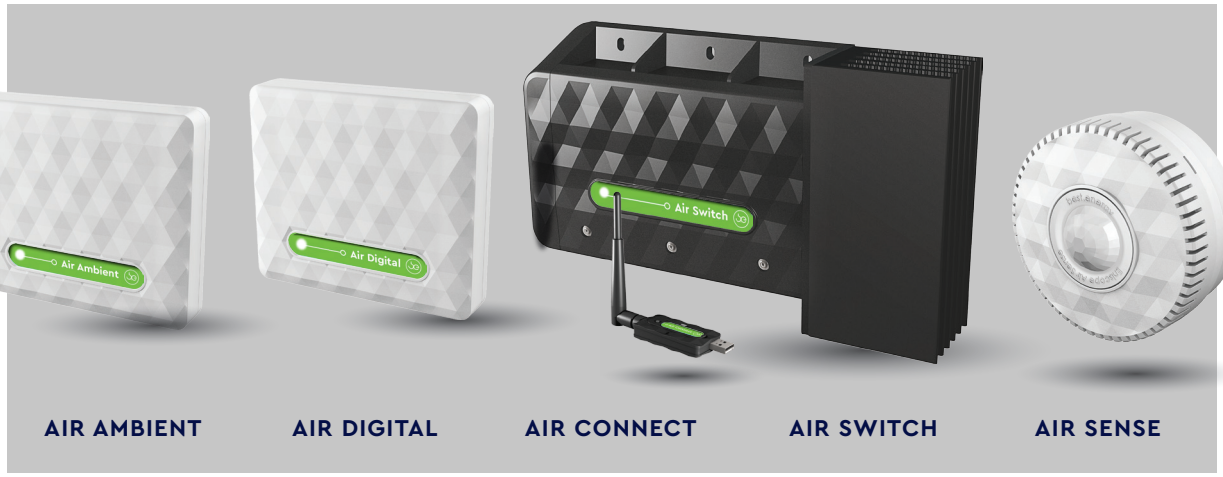
Operating temperature	-30 - +40°
Temperature input	1 wire digital DS18 type -10°C to +85°C +/-0.5°C (using best.energy sensor probe) -55°C to +125°C +/-2°C (using Best.Energy sensor probe)
Altitude	1000M – De-rate 1% per additional 100M
Dimensions	H120, W200, D100mm
Weight	1.3Kg
Safety	CE to EN 60730-1:2016
LoRa Wireless Bands	Band 1 - 16 Channels, 865MHz – 870MHz Band 2 - 16 Channels, 915MHz – 925MHz



"Remote, scheduled energy management can be incredibly effective – turning a 'dumb' device like a food warmer into something more responsive to the building's real needs. The Eniscope Air Switch is a hugely cost-effective product for introducing that sort of automated intelligence."

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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