



ENISCOPE AIR DIGITAL

Introduce the power of IoT smart building technology to your operation.



Overview

Eniscope Air Digital is a versatile, multi-functional IoT device capable of delivering a raft of smart building functionality to a huge variety of premises. It offers two key benefits via its control technology - energy saving and operational.

On the **energy saving side**, Air Digital delivers binary control of key assets by controlling the contactors that facilitate power to that asset. Working in line with a schedule set in the Cloud and delivered by the central Eniscope hub, Air Digital switches your devices on and off for optimum efficiency.

On the **operational side**, Air Digital's switching capabilities extend to alarms and indicators - allowing you to create a set of smart alarms around your building; alerting staff to chiller doors left ajar, low soap levels in car washes, low oil levels in heating systems and so on. The possibilities are endless.

The Specifics

Supporting 3 output relays with 600V isolation, Air Digital can independently control separate devices at 250V 5A for resistive loads. Higher, inductive or multi-phase loads are switched using contactors under the control of the Eniscope Air Digital. Fryers are a huge energy drain in a restaurant. Using Air Digital, we can schedule those fryers on and off in line with the needs of the restaurant - avoiding out of hours consumption and over-provision. The result is big energy savings.

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

Core Functionality

Asset Cloud Scheduling (3-Phase)

Low Fill-Level Detection

Operational Alarms

Water & Gas Meter Consumption Tracking



Key features

Supply Voltage	12 to 30V AC/DC – 1 amp continuous. 300mA mains converter module 100-277 VAC.
Fuse Rating	Internal 500mA auto reset type
Output Relay Ratings	5 amps Resistive @ 250 VAC 1 amp Inductive @ 250 VAC
Output Terminal Ratings	Output terminal Ratings
Switch Circuit Current Rating	20 amps Resistive
External Power Supply	24 VDC, 50mA
External Power Supply Fuse	Internal 100mA auto reset type
Digital Inputs x 4	Volt Free or Powered Inputs. Maximum external device supply current 50mA, 24 VDC
Enclosure Type	Polycarbonate
Enclosure Rating	IP20
Operating Temperature	-20°C - +60°C
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



"The Enscope Air Digital device is a key component of our smart building solution. Its impact on energy saving is huge, with the ability to schedule and optimise some of the most energy intensive devices on-site. But the IoT control possibilities are truly exciting."

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.