

Product Data Sheet



Eureka Industrial Wakeup Unit & Antenna

Eureka Industrial Wakeup Unit

The Eureka-iD Wakeup Unit is a stand alone unit used to wakeup Eureka-iD tags so they can send their data to a Eureka active tag reader. The unit with its antenna produces a controllable tag activation field that activates or wakes up a Eureka-iD tag when it enters the field.

The wakeup field produced by the unit is addressable from 0-99 allowing a unique location ID to be set up. This can be used to determine tag direction when they are moving.

The activation field ID attaches to the tags unique ID data string that transmits to a Eureka active tag reader. Multiple wakeup units can be set up in a location to determine location, direction and provide access control. System cost is kept low as each activation zone works independently and the tag data can be sent to any Eureka reader unit within range.

Antenna

The standard antenna used with the wakeup unit is a PCB antenna, housed in an ABS enclosure. This can be wall or ceiling mounted. A maximum cable length of 10 metres from the wakeup unit can be used.

Applications

Ideal for personnel and asset identification, tracking, security and vehicle access control.

Wakeup Unit

Frequency	125kHz
Modulation	OOK (on off shift keying)
Range	Up to 5m* with standard antenna
Data Rate	600 Baud

Environmental

Operating Temperature	-10°C to +50°C
Storage Temperature	-10°C to +50°C
Humidity	5% to 90% (non condensing)

Physical

Size	200mm x 200mm x 95mm
Weight	2.7kg
Colour	RAL7035
Material	IP66 Steel Enclosure

Electrical

Supply Voltage	230V AC
Power Consumption	<15w

Standard Antenna

Enclosure Dimensions	250mm x 250mm x 20mm
Colour	Silver
Material	ABS
Weight	0.5kg

* Subject to orientation & environmental conditions

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Part No: EURIDK4933

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