



ARC Key Tag

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The ARC Active RFID Tag is designed to transmit a unique identification number.

A high data rate of 1Mbps allows for a very short on air time, long battery life and a large amount of simultaneously operating devices in the same area, thus eliminating congestion.

The device operates from a small coin cell as a power source and includes a battery status reporting feature. This enables the user to accurately predict and schedule a service of the easily replaceable lithium battery cell.

The device is capable of reliable performance within a harsh operating environment typically encountered in commercial environments.

Bi-directional communication allows for both tag to tag or more commonly tag to reader scenarios.

Durable and light weight. Wide operating temperature and humidity range are some of the benefits of the product design.

The device receives information from surrounding beacons in the area and so determines its location. This information is included in transmissions.

This is a microprocessor based unit using FLASH and EEPROM re-programmable technology that allows for flexible factory configuration.

Key Features

- Unique identification number.
- Motion detection.
- Increased transmission rate when motion detected.
- Ambient Temperature measurement sensor.
- Excellent antenna performance.
- Configurable transmit power.
- Bi-directional communication.
- Battery status information included in each transmission.
- Ultra low power consumption.
- Radiates maximum output power permitted by international SRD (Short Range Device) standards.
- Pseudo random transmission times and extremely short on air time to minimize channel congestion.
- Beacon location information included in each transmission.
- Last beacons detected information included in each transmission.
- ISM Band.