



***This active RFID tag transmits RF signals and tag data including customer site code, tag age and counter value. It is ideally suited for operating on metallic surfaces or plastics containing a high metal content.***

This 433MHz RFID tag is generally used for outdoor asset tagging applications. It is encapsulated within a molded plastic case, which is ultrasonically sealed in order to protect against adverse environmental conditions. The tag is powered by a built-in battery and has an estimated life span of five years at a transmission time interval of approximately 1.5 seconds. This innovative RFID tag offers configurable settings including site and vendor ID, transmission repetition interval and alarm counter at a pre-set time intervals. In addition, it is also highly suited for mining operations if properly fitted within a NEMA enclosure.

### **Key features**

- ✓ Configurable settings, including site / vendor ID, tag ID, transmission repetition interval and alarm functions (these are programmed at order placement stage)
- ✓ Low power consumption. Tag life is estimated at 5 years when transmitting at a 1.5-second interval
- ✓ A Collision avoidance algorithm is used to dispose the transmissions around the mean repetition interval





## Technical Specifications

Frequency	433MHz
Field strength	< 1600 $\mu$ V/mm
Modulation	ASK
Stability	Saw stabilized
Type of material	Nylon (20% glass filled)
Power	Internal power lithium battery
Size	85mm x 70mm x 9mm
Color	Grey
Weight	< 25g
Operating temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
Humidity	5% to 90% (non condensing)





**GAO RFID Inc.**

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*Product Overview*

**433MHz Active RFID Tag (124015)**



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