



Tag

Product Code: W-TG1000

Description: Tag Frame Mount

An internal battery powers the Wavetrend Active Tag. The Frame Mount Tag will, for the duration of its life, transmit a Radio Frequency (RF) signal at a pre-set time-interval. The Tag life is estimated at 10 years at a transmission time interval of approximately 1.5 seconds. The lifespan of the Tag ends when the battery life is exhausted. Battery status can be inferred by interrogating the internal Tag Age Counter Value.

The transmitted Tag data could include a Customer Site Code (CSC), Tag ID, Tag Age Counter Value and Tamper Alarm status.

This tag has an auto wake-up feature and after the tag is mounted it will automatically wake up and start transmitting.

This tag also has a tamper latching feature and if it is ever tampered with will send out an alarm status and latch a tamper bit that cannot be reset.

For protection against adverse environmental conditions, all Tags are encapsulated in a moulded plastic and rubber case, which is sealed during the manufacturing process.

The L-TG1000 is generally used for the tagging of bicycles, although it may be used in other applications where mounting on a frame is required.

The Tag can be configured to accommodate Wiegand interfacing.



Features

- Configurable settings, including Site / Vendor ID, Tag ID, Transmission Repetition Interval and Alarm functions (these are programmed at order placement stage).
- Metal crimping strap to accommodate different mounting pipes.
- Long Tag lifespan (up to 10 years when transmitting at a 1.5-second repetition rate).
- A Collision avoidance algorithm is used to disperse the transmissions around the mean repetition interval.
- Tamper latch facility.



Specification

Environmental

Operational temperature	- 10° C to + 60° C
Storage temperature	- 20° C to + 70° C
Humidity	5% to 90% (non condensing)

Physical

Size	22 mm x 38 mm x 142 mm
Weight	60 grams
Colour	Black and grey
Type of material	ABS plastic monprene overmould

RF Specifications

T _x Frequency	433Mhz
Typical Transmission Range	5 Meters (15 feet) with W-RX201 Reader
Field strength	< 1600 µV/m
Modulation	ASK
Bandwidth	1 MHz
Stability	Saw Stabilised

Electrical Specifications

Power	Internally powered Lithium Battery
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