

All-Weather Asset Tracking Tag

Description

The EZ Find™ All Weather Asset Tracking Tag is an all weather, extended-range, Active Radio Frequency (RFID) device. The tag is designed for the real-time monitoring of metal or wooden shipping containers and cable drums in large indoor/outdoor storage and transportation facilities.

The tag's onboard transmitter emits continuously low power, beacon type radio frequency (RF) messages that can be used to identify the exact real-time location of the asset with unparalleled reliability and precision in real-time. When attached to the container or drum; the tag also transmits alert notifications for keeping security personnel informed of deliberate and/or unintentional tampering. The tag also features an onboard; 2-axis, power-switching; miniature accelerometer for optimizing alerting reliability in severe environmental weather conditions such as heavy rain and hail.

Designed for harsh indoor/outdoor environments, the tag's solid state electronics is housed in an epoxy potted, IP-67 rated, weatherproof thermoplastic casing. The design ensures years of maintenance free deployments and consistent UHF (433.92MHz) transmissions up to 100m/330ft (360° coverage area).

One tamper plate, two 2.9mm/0.11inch x 13 self-drilling screws, two 3.9mm/0.15inch x 25 self-drilling screws, two M4 flat washers and two M4 helical spring lock washers are included with each tag



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NOTE: An aluminum drilling template may be ordered separately, which contains four 2.6mm/0.1in diameter holes for determining the correct locations of the mounting screws that will be used to attach the tag and tamper plate to the container or drum.

Upon special request, an onboard low frequency (LF) receiver can be added to the tag for enabling chokepoint area supervision.

Product Features

- Small size and light weight
- Tough, epoxy-potted, IP-67 outer casing
- Optimized alert reliability in strong rain and hail
- Instant tamper/removal indication
- Beacon type RF signaling technologies
- RF range up to 100m/330ft (360° coverage area)
- Instant tamper/removal indication
- Long battery Life – approximately five years
- Optional LF receiver

Applications & Uses

- Verifiable asset identification
- Indoor/outdoor container management
- Shrinkage prevention
- 24/7 asset supervision
- Asset movement and auditing
- Unauthorized asset handling
- Exit/entrance chokepoint supervision

EZ Find™ All-Weather Asset Tracking Tag – Confidential Technical and Product Specifications

Electrical Specifications	
Radio Technology	RF (433.92 MHz)
RF Range	100 meters/330 feet in open areas (360° coverage)
RF Transmission Rates	In motion: Every 4 seconds Stationary: Every 30 seconds
Tamper Event Transmission Rate	4 RF transmissions (each transmission about 2ms in duration), 400ms apart
Power Source	CR2 Lithium battery (approximately 1 A/Hr)
Average Battery Life	Approximately 5 years
Badge ID	Unique, factory-programmed ID
General Specifications	
Construction	Light-gray, polymer plastic
Dimensions (H x W x D)	10.0 x 4.5 x 2.0 cm (3.9 x 1.8 x 0.78 inches)
Weight (Assembled)	100 grams (3.5 ounces)
Operating Environment	Temp: -10°C to 70°C (14°F to 158°F) Humidity: 100%, non-condensing
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Mechanical Tamper	Passive, omni-directional tilt and vibration sensor
Accelerometer	Capacitive micro-machined, dual-axis, high-sensitivity (800 mV / g at 1.5g)
Housing	IP67 water-rated enclosure
Remote Management	EIRIS 4.5 (or higher) enterprise software
Compliance with Standards	FCC and EC approvals pending
Warranty	1-year limited warranty (excluding battery)

Ordering Information

Part number	Description
5-ETD00433	All Weather Asset Tracking Tag, WP, RF, 433MHz, 15/16
5-ETD00433-2	All Weather Asset Tracking Tag, WP, RF-Basic, 433MHz

Accessories

Part number	Description
5-ETD90001	Reflective Tamper Plate (5 pcs)
5-ETD90002	Drilling Template (3 pcs)

About FIRETEC

FIRETEC is a privately owned Alberta company, offering a fully integrated suite of technological innovations with applications in today's health care environment. We stand behind our products, and we are proud of our reputation.

In 1988, we pioneered the first wireless nurse call system in Canada, and have since led the way in wireless integrations. We partner with other outstanding companies to access the best technology and deliver proven results.

Our mission is to create technology solutions that make life easier and safer for today's aging population, while still respecting seniors' desire for dignity and independence. We offer a complete solution to all your health safety and security needs.