



All-Weather Asset Tracking Tag

Description

The **EV2** 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 and 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

