

## Asset Tracking Tag

### Description

The Elpas Asset Tracking Tag from Visonic Technologies is a miniature, unified active long-range Radio Frequency (RFID) and Infrared device designed for the real-time tracking of mobile assets or people.

The tag's all-in-one, dual-technology transmitter continuously emits low-power UHF (433.92MHz) beacon-type radio frequency (RF) messages as well as safe, supplemental infrared (IR) messages that identify the exact real-time location of assets or people with unparalleled reliability and precision. When attached to an asset, the tag automatically transmits alert notifications for keeping personnel informed of deliberate or accidental tampering and/or removal. The tag's onboard magnetic low frequency (LF) receiver (125KHz) adds chokepoint area detection so whenever the protected asset or person physically nears an exit/entrance covered by an Elpas LF Exciter an alarm notification is generated.

The Asset Tracking Tag also features an optional one-touch wireless emergency call or duress alert functionality to ensure complete 24/7 personnel safety and supervision.

Made of tough ABS thermoplastic, the Asset Tracking Tag withstands severe physical shocks and drops; it is water-resistant and temperature-stable. Small in size and weight, the tag is easily affixed to an asset using the Equipment Clip, worn as a necklace when attached to the Pendant Clip with Lanyard or worn on a belt when used with the Belt Clip.

**Note:** Equipment clips, pendant clips, lanyards or belt clips need to be ordered separately.



Elpas Asset Tracking Tag

### Product Features

- Small tag size and weight
- Shock proof, IP64 water-rated outer casing
- Instant tamper/removal indication
- Low battery/transmission LED indicator
- Triple-Tech RF, IR and LF signaling technologies
- Asset, belt or pendant mounting options
- Compact Lithium long-life replaceable battery
- CE- and FCC-approved

### Applications and Uses

- Real-time location tracking
- Inventory and loss prevention
- Supply-chain logistics
- Wireless emergency/duress signaling
- 24/7 personnel safety monitoring & supervision
- Time and attendance
- Location-based billing

## Elpas Asset Tracking Tag – Confidential Technical and Product Specifications

Technical Specifications	
Radio Technology	RF (433.92 MHz) and LF (125KHz)
RF (Motion/Stationary):	Supervision messages every 10 seconds / 60 seconds
IR (Motion/Stationary):	Supervision messages every 5 seconds / 60 seconds
RF upon Entry into LF Area	Burst of 3 RF transmissions (each transmission about 2ms in duration), 0.5 seconds apart
LF Sampling	Every 250ms
RF under LF	2 seconds; after 10 minutes returns to 10 seconds when in motion or 60 seconds when stationary
LF Timeout	Transmits burst of 3 non-LF messages when LF signal is not received for approximately 2s
Time to Idle	10 seconds
Events: Button Press / Release LF and Tamper, Low Voltage Motion / Stationary	4 IR/RF transmissions (each transmission about 2ms in duration), 400ms apart.
Power Source	One 3 V lithium battery, type CR 2430
Average Battery Life	Triple-Tech Tags: When in motion for 8 hrs/day, 6 days/week – 15 Months Dual-Tech Tags: When in motion for 8 hrs/day, 6 days a week – 3.5 Years Dual-Tech Tags: When in motion for 1 hr./day 6 days/week – 7 years
Visual Indicators	Transmission: Green LED Button Press: Red LED
Badge ID	Unique, factory-programmed ID
General Specifications	
Construction	Clear polymer plastic
Dimensions (H x W x D)	34 x 40 x 15 mm (1.3 x 1.6 x 0.6 inches)
Weight (Assembled)	20 grams (0.75 ounces)
Operating Environment	Temp: -10°C to 70°C (14°F to 159°F)
Housing	IP64 water-rated enclosure
Remote Management	EIRIS 4.5 (or higher) enterprise software
Compliance Standards	EN 300 220-1, EN 300 220-2, EN301 489-1, EN301 489-3, EN 60601-1-2, CISPR 11: 2004, IEC 61000-4-2, IEC 61000-4-3, FCC Part 15.231 Level C, FCC ID#: GSA-ETC00433 (433.92 MHz)
Warranty	1-year limited warranty (excluding battery)

All specifications are subject to change without notice.

### Ordering Information

Part Number	Description
5-ETC00433C	Asset Tracking Tag, IR/RF/LF, 433MHz, 5/10/60
5-ETC00433C-3	Asset Tracking Tag, RF/LF, 433MHz, 10/60
5-ETC00433C-D	Asset Tracking Tag, IR/RF/LF, 433MHz, 5/10/60

### Selected Compatible Accessories

Part Number	Description
5-ETC09001	Equipment Clip (5 units)
5-ETC09002	Belt Clip (5 units)
5-ETC09003	Lanyard (5 units)

For a complete list of compatible accessories, please contact your local VT Sales Representatives.

### Office Locations

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### About Visonic Technologies

Visonic Technologies (VT) is a global leader in Active RFID/RTLS safety and security solutions for the changing healthcare industry. VT delivers out-of-the-box as well as custom-tailored risk mitigation tools that enhance patient and personnel safety; reduces asset shrinkage and labor costs; lessens negligence litigation and facilitates industry guideline compliance.