Asset Tracking Tag

Description

The Elpas Asset Tracking Tag from Visonic Technologies (VT) 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 infra-red (IR) messages that identifies the exact real-time location of assets or people with unparallel 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, 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 Pendent Clip with Lanyard or belt worn when used with the Belt Clip.

*Equipment clips, pendent 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
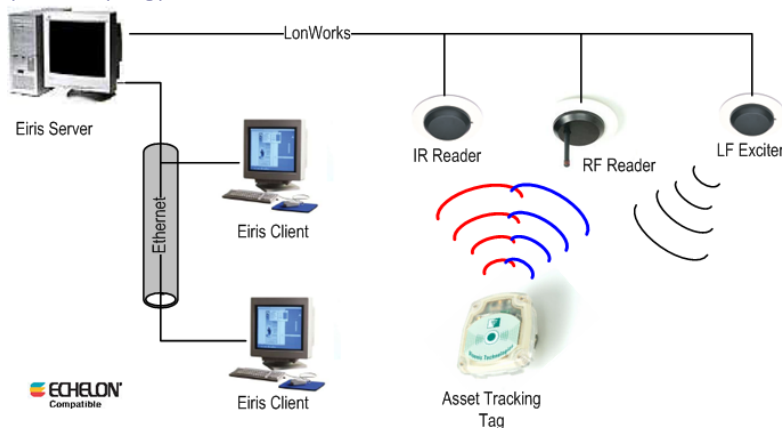Compact Lithium long-life replaceable battery
CE and FCC approved

Applications & 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 – Data Sheet

Technical Specifications	
Radio Technologies	IR, RF (433.92 MHz) and LF (125KHz)
RF: (Motion/Stationary)	Every 10 seconds/60 seconds
IR: (Motion/Stationary)	Every 5 seconds/60 seconds
RF Upon Entry into LF Area	Burst of 4 RF transmissions (each transmission @ 2ms in duration), 0.5 seconds apart.
LF Sampling (Motion/Stationary)	Every 500ms/15 seconds
RF under LF	2 seconds; after 10 minutes returns to 10 seconds when in motion or 60 seconds when stationary
LF Timeout	Transmits 4 non-LF messages after not hearing from LF for this amount of time
Time to Idle	10 seconds

Events:
  Button Press/Release
  LF & Tamper, Low Voltage
  Motion/Stationary
	4 IR/RF transmissions (each transmission @ 2ms in duration), 400ms apart.

Power Source	One 3.0 volt Lithium battery, type CR 2430
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 Indicator	Green LED specifics transmission; Red LED specifies button press
Badge ID	Unique factory programmed ID
General Specifications	
Construction	Clear polymer plastic
Dimensions (H x W x D)	34 x 40 x 15mm (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)

System Topology

LonWorks

Eiris Server

Ethernet

Eiris Client

ECHELON Compatible

Eiris Client

IR Reader

RF Reader

LF Exciter

Asset Tracking Tag

Ordering Information

Part Number	Description
5-ETC00433C	Asset Tracking Tag, IR/RF/LF, 433MHz, 5/10/60
*5-ETC00433C-1	Asset Tracking Tag, IR/RF/LF, 433MHz, 5/5/60
5-ETC00433C-2	Asset Tracking Tag, IR/RF/LF, 433MHz, 30/10/60
5-ETC00433C-3	Asset Tracking Tag, RF/LF, 433MHz, 10/60
*5-ETC00433C-4	Asset Tracking Tag, RF/LF, 433MHz, 5/60
5-ETC00433C-5	Asset Tracking Tag, RF/LF, 433MHz, 10/60, No Tamper

*For usage outside of the United States.

Accessories

Part Number	Description
5-ETC09001	Equipment Clip (5 units)
5-ETC09002	Belt Clip (5 units)
5-ETC09003	Lanyard (5 units)
5-ETC09004	Personnel Identity Badge - Label Covers (25 pcs)
5-BC012430	3.0V lithium battery, CR 2430 (25 units)

About Visonic Technologies

Visonic Technologies (VT), a fully owned subsidiary of Visonic, Ltd. (VSC.L) is a global leader in enterprise-class, active & passive RFID/ RTLS real-time visibility solutions. Sold under the Elpas, SpiderAlert, VisAccess and EIRIS system names, VT's' products deliver workforce identification and safety; supply-chain logistics, asset protection and facility supervision.

Manufactured In Israel

CE FC