

Product Description

The Elpas Infant Protection Bracelet from Visonic Technologies (VT) is a rechargeable miniature, unified active long-range Radio Frequency (RFID) and Infrared device. The bracelet provides 24/7 infant protection by tracking the real-time location of newborns in maternity wards and by generating mother-baby mismatch alarms.

The Infant Protection Bracelet is comprised of a rechargeable tag and a disposable, anti-tamper, adjustable band made of skin-safe non-latex materials that can be retightened should the baby lose weight. The bracelet's all-in-one, dual technology transmitter continuously emits low power, beacon type radio frequency (RF) messages as well as safe, supplemental infra-red (IR) messages that identifies the exact real-time location of the new born infant. This same RF/IR technologies also continuously broadcasts the operational status of the tag (such as its battery state and the condition of its tamper wire). The bracelet's onboard magnetic low frequency (LF) receiver adds chokepoint area detection so whenever the new born infant nears a prohibited exit/entrance covered by an Elpas LF Exciter a security intervention alarm is raised.

The tag transmits supervisory RF messages every 10 seconds when in motion and every 60 seconds when motionless. IR messages are transmitted every 5 seconds while in motion and every 300 seconds when motionless.

When an emergency event occurs then a burst of 3 RF and IR event messages is transmitted. Should the tag remain in the forbidden area then the tag will continue to transmit RF messages every 2 seconds for a period of 10min. After this time, the tag returns to the normal 10 second rate.