

Elpas Solutions Ltd.
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Operational description

The Personal Safety Bracelet is a wrist worn Active RFID Tag that provides around-the-clock monitoring of medical patients and assisted living care residents who require added safety.

The bracelet bundles triple-tech Real-Time Location System (RTLS) technologies to deliver precise real-time positioning data so that a host RTLS safety application or an integrated physical security platform can track the whereabouts of the individual anywhere within the facility.

The bracelet features a large duress call button designed especially for senior citizens. Pressing the button causes the tag to transmit positioning data that identifies the person requiring assistance and the precise building location of the involving medical or safety incident for speedier and more effective response efforts.

The bracelet enables immediate near-exit location awareness for administering patient/staff escort procedures and for preventing unauthorized transfers into or out of protected building areas.

Product Specifications

RTLS Technologies	RF (433MHz) ; IR (800nm) ; LF Reception (125KHz)
RF (Motion/Stationary)	Supervision messages every 10 seconds / 60 seconds
IR (Motion/Stationary)	Supervision messages every 10 seconds / 60 seconds
Supervised Events	LF Entry/Exit: Button Press/Release, Motion/Stationary, Low Battery
RF Under LF	Entry into LF: 3 transmissions (each @ 2ms in duration), 0.5secs apart; every 2 seconds. After 10 minutes under LF: Returns to 10 seconds while in motion
Power Source	3.0V/560mAH lithium battery, CR 2450
Battery Life	12-36 months depending upon usage
LED Indicator	Low Battery (flashes every ten sec when below 2.6 Volts), Button Press (flashes three times), LF Field (flashes three times)
Tag & LF ID Codes	Factory-Programmed
Housing	IP65, Nylon Plastic
Weight	41.1 grams (1.45 ounces)
Dimensions (H x W x D)	46.9 x 41.0 x16.8mm (1.84 x 1.61 x 0.65 inches)
Operating Environment	Temp: -30°C to 70° C (-22°F to 158°F) Humidity: 100% non-condensing
Management Software	Eiris 4.6 (or higher) ; Eiris 4.9 (or higher) for Mother Bracelet)
Regulatory	CE, FCC, IC compliant
Warranty	1 year limited warranty (excluding battery)