

Sensor/RF Module Technical Specifications

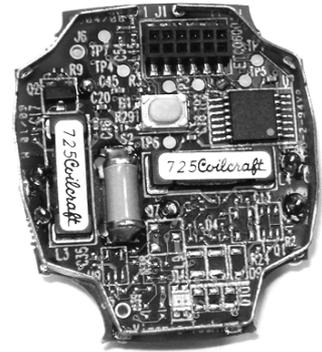
Product Description

The Elpas Sensor/RF Module is a low-cost embedded solution for OEM applications that provides a generic wireless interface for many different types of remote fixed sensor appliances. The module is designed to provide reliable UHF transmissions of critical sensor data to any legacy Elpas RF reader infrastructure in support of the required sensor application.

Designed for easy integration inside the housing of the fixed sensor; the module's miniature circuit board assembly requires minimal power; sports a 34x40x15 [mm] footprint and is FCC and CE compliant.

The solid state advanced electronic design of the Sensor/RF Module ensures consistent 433.92MHz transmissions up to 100 meters/330 feet in any direction in open, indoor office type environments.

The Elpas Sensor/RF Module in addition, supports remote configuration, and management via EIRIS V4.5 (or higher) enterprise software.



Actual Assembly May Vary
Slightly From Picture

Technical Specifications

Electrical	
Technology	RF (433.92 MHz)
RF Range	100 meters/330 feet (360° coverage area)
Transmission Rate	Every 60 seconds
Power Requirements	3.6 VDC; 285mAh
Power Sources	On-board lithium battery, type CR2430 (not included) or host sensor via female interface connector
Module ID	Unique factory programmed ID
Visual Indicators	Yellow LED: Link Green LED: Activity
Host Sensor Interface	12 -pin low profile female connector For power source and for 3 digital inputs
General	
Construction	PCB board (no enclosure)
Dimensions (L x W x H)	34 x 40 x 15 mm (1.3 x 1.6 x 0.6 inches)
Weight	20 grams (0.75 ounces) approx.
Operating Environment	Temperature: -10°C to 70°C (14°F to 159°F) Humidity: 90% maximum, non-condensing
Remote Management	EIRIS V4.5 or higher enterprise software
Compliance Standards	EN 300 220-3, EN301 489-03, EN50130-4:95+A1(98) +A2(03), EN60950-1:01, EN 60601-1/2, FCC Part 15.231 Level C, FCC ID#: GSA-ETC00433 (433.92 MHz), UL approved
Warranty	One year limited warranty

Ordering Details

Part Number	Description
5-ETC09005	Sensor/RF Module, RF, 433MHz, 60

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About Visonic Technologies

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