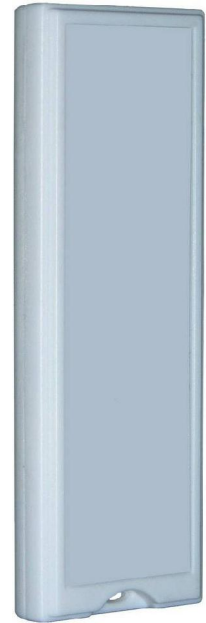


Motion Sensor Tag “Active NOW”

The iDTRONIC 2,45GHz Motion Sensor Tag is used to identify and perform motion observation of items or persons. It is built around innovative 0,18µm low-power CMOS integrated Circuits and a high precision piezo vibration detector. This high scale of integration allows for very compact and low-power performance. The unique battery lifetime (up to 7 years) is achieved without sacrificing the reading and writing range. A reading range of 60m in free space is achieved with the iDTRONIC 2,45GHz Controller.

When no activity is detected for more than 60 seconds, the tag reverts back to normal identification mode. The tag sensor monitors a very sensitive vibration in real time. In normal condition, each 20s, the tag sends its ID. Upon detection of an activity of the vibration sensor, the Tag switches to a 1 second identification interval. In case of vibration detection the frame carries a specific message.

The 2,45GHz Active Tags are used to identify and / or perform micro-localization of items or individuals. The unique battery lifetime is achieved without sacrificing the reading and writing range. The controller manages the configuration of the transmission mode.



Applications:

- Car / Fleet Management
- Logistics
- Industrial Solutions
- Museums
- Asset Tracking

Product Specification:

Available sizes:	31 x 90 x 11mm
Humidity protection:	IP65
Colour:	White, customizable on request
Motion sensor interval	Up to 1 second
Temperature range for operations:	-10°C to + 55°C
Temperature range for storage:	-20°C to + 70°C
Band:	Worldwide unlicensed ISM band
Operation frequency (RF):	2,4GHz
Battery lifetime:	Up to 7 years
Reading distance:	Up to 60m
Radio regulation:	ETS300-440 Rx Class 3; Tx Class 8;
Safety	EN50364: 2001 (Limitation of human exposure to EM fields)
Option:	Tag holder
Order number:	R-AN-1403