



Multisense

swisscom

- A device that generates an e-mail or service request when it is pressed?
- A device that recognises whether a seat is occupied or not?
- A device that displays the temperature and humidity?
- A device that counts door openings?
- Inexpensive, simple, independent of electricity

## One device – countless possible uses

### What is Multisense?

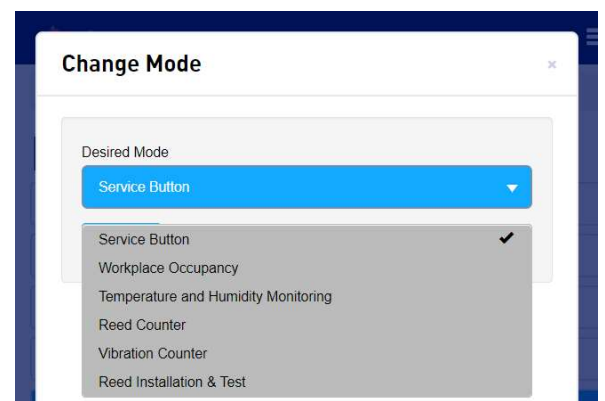
Multisense is a sensor based on LoRaWAN that does not need electricity and was developed for a variety of different situations. Multisense accommodates numerous sensor types in one small, economical device, meaning that you always have the right sensor and can easily realise many use cases simultaneously with one piece of hardware: be it identifying door openings, measuring temperature and humidity, triggering an alarm in the event of movement, as a general service button or detecting workplace occupancy.

### Your benefits with Multisense

- **Simple**  
Quick commissioning and easy installation using adhesive tape or a cradle. Long battery life.
- **Diverse uses**  
You, the customer, decide what situation you wish to use Multisense for with a mouse click.
- **Economical**  
High expenditure and complexity in device life cycles can be avoided, as Multisense offers a single source for all sensors.







Multisense with cradle



Selection of the use case in the IoT cloud



## Facts & Figures

 <b>Sensors &amp; Functionality</b>	Service Button	LED feedback and transmission at every push of the button.
	Workplace Occupancy	By means of a vibration sensor, occupancy data for a workplace or usage data for an item are logged and transmitted live.
	Temperature & Humidity monitoring	Are measured and transmitted as an alarm periodically or when a threshold is exceeded.
	Door Opening Counter	The opening and closing of a door or a window can be counted and alerts (open/closed) transmitted.
	Vibration Counter	A alarm is transmitted if an item moves or its position is changed.
 <b>Basic services</b>	Multisense sensor, cradle, adhesive strip, magnet, LoRaWAN connectivity with automatic registration, access to IoT platform for independent configuration, receipt of data through our IoT platform via HTTPS push.	
	 <b>Additional services</b>	Expanded functions
Data analysis		Customer-specific dashboards on the IoT platform or on AWS/Azure can be implemented according to cost.
 <b>Technical details</b>	Dimensions	80x35x13 mm
	Weight	50 g
	Protection type	IP20 (indoor use only)
	Connectivity	LoRaWAN 1.0.3
	Battery life	3-10 years (depending on application)
	Max. transmission strength	13-14 dBm ERP
	Attachment	With wall cradle or permanently with adhesive tape
	Certification	CE, RoHS II, RED, LoRa Alliance Certified, Swisscom IoT Qualified
	Configuration	All functions can be configured in the cloud and transmitted via LoRaWAN to the device.
Integration	HTTPS push, API call	

The information in this document does not represent a binding offer. Changes may be made at any time.

Swisscom (Switzerland) Ltd  
 Enterprise Customers, Post Office Box  
 CH-3050 Bern, Switzerland, Tel. 0800 800 900,  
[www.swisscom.ch/enterprise](http://www.swisscom.ch/enterprise)