

The Motion Sensor is a battery operated PIR motion sensor which communicates wirelessly (bidirectionally) at 868MHz.

The detection field of the PIR sensor can be influenced through the use of various lenses. Using the Kadex server "smart sensor algorithms" in combination with the Kadex Motion Sensors the following functionalities are available:

- Enter the room detection
- Leave the room detection
- In/Out of bed detection
- Bathroom fall detection

The freedom and privacy of the patient is hereby always guaranteed, only an optical motion is detected.

The PIR sensor is of a very high quality so false positives are reduced to a minimum.

The Motion Sensor can be connected to an existing nurse call system with a Actor 7-24 Vdc, or in combination with the Kadex infrastructure on the Kadex Pro Server.

The extremely long battery life (approx. 1 million notifications), the unique way of detection and very high system reliability makes the Motion Sensor a very unique product.

Standard the Motion Sensor is surface mounted, but it can also be flush mounted by using a Dutch U50 wall box.

From the Kadex Pro Server the product is automatically checked for battery voltage, signal strength and correct functioning.

Scope of delivery:

- Motion Sensor
- Battery 2 x LS14500 AA 3.6V



### TECHNICAL DATA

<b>Housing</b>	ABS	<b>Temperature</b>	
<b>Color</b>	White (RAL 9016)	<b>Operational</b>	-10 °C up to 40 °C
<b>Weight</b>	120 Gram	<b>Storage</b>	-20 °C up to 70 °C
<b>Protection Class</b>	IP 41	<b>Relative Air Humidity</b>	90% at 25 °C
<b>Operating Frequency</b>	868 MHz	<b>Standard Conformity</b>	
<b>RF Transmitting Power</b>	Max. 13 dBi (20mW)	<b>Radio Approval</b>	EN300 220-1
<b>Voltage</b>	Battery, 2x LS14500, AA, 3,6Vdc	<b>EMC - R&amp;TTE</b>	EN301 489-3
<b>Usage</b>	Depends on functionality	<b>Safety</b>	EN 60950-1
<b>Antenna</b>	Integrated	<b>Environment</b>	RoHS / WEEE
<b>LED</b>	1x Feedback LED		