



MICROVAK®

ESP	CERTIFICADO Sistema inalámbrico de sensores capacitivos, para la detección de la presencia de personas en camas y asientos
ENG	CERTIFICATE <i>Wireless system of capacitive sensors for detecting the presence of people in beds and seats</i>

MICROVAK SISTEMAS S.L.
Phone: (+34) 91 633 20 60
Email: info@microvak.com
Street: Reloj, 4
28690-Brunete (Madrid)
SPAIN

Declaration of Conformity to the EU directive 2014/53/EU

We, the undersigned:

MICROVAK SISTEMAS S.L.
Calle Reloj, 4
28690 Brunete- (Madrid), Spain
Tel: +34 91 633 20 60

Certify and declare under sole responsibility that the MICROVAK wireless sensor system, when used for its intended purpose comply with:

- The essential requirement for protection of the health and safety of the user and any other person, as required by UE Low voltage Directive (73/23/CEE, modified by 93/68/CEE) and Standards: EN 60950:2000, EN 60950-1:2001
- The protection requirements for protection with respect to electromagnetic compatibility, as required by UE Directive Electromagnetic Compatibility Directive (89/336/CEE, modified by 92/31/CEE and 93/68/CEE) and Standards: EN 61326/A1.1998+A2.2001
- The essential radio test suit that verifies the effective use of the frequency allocation to terrestrial radio communication so that avoid harmful interference as required by UE Radio & Telecommunication Terminal Equipment, Directive 1999/5/EC and Standard EN 300 220-3.

STATEMENT IN MULTIPLE LANGUAGES

ESP	Por medio de la presente MICROVAK SISTEMAS S.L. declara que el sistema Microvak de monitorización de presencia de personas en camas y asientos con sensores inalámbricos, cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE
ENG	Hereby, MICROVAK SISTEMAS S.L. declares that Microvak Wireless system of capacitive sensors for detecting the presence of people in beds and seats is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The main characteristics are:

- Sub-band 1f: 869 MHz without licensing according to ETSI EN 300 220-1.
- Carrier frequency: 869.2125 MHz.
- Bandwidth: 25 KHz.
- Modulation: GFSK with ± 20 KHz deviation.
- Maximum transmission power: 10 mW e.r.p.
- Duty Cycle: maximum 0.1%.
- Data transfer half-duplex bidirectional mode.
- Capacitive sensor : QTouch® (patented by Atmel charge-transfer method)