

# GS-1-HM

## Motion module for high mounting

The GS-1-HM is a radar module intended to be integrated in a sensor developed by a third party. Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments.

### DESCRIPTION



1. radar antenna (9-patch)
2. connector (4 pins)

RED 5V DC supply  
BLACK GND  
BLUE Schottky 2 signal  
YELLOW Schottky 1 signal

### TECHNICAL SPECIFICATIONS

Technology:	microwave doppler radar
Microwave transceiver:	resonant cell
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	motion
Detection zone:	5 m x 5 m (typ) @ 5 m with angle of 30°
Supply voltage:	5 V DC +/- 5% regulated and filtered
Supply frequency:	DC only
Max power consumption:	< 1 W
Output:	2 sinusoidal signals in quadrature
Angle adjustment:	from 20° to 40°
Temperature range:	from -20 °C to + 55 °C
Dimensions:	30 mm (L) x 30 mm (H) x 40 mm (W)
Cell material:	zamak
Weight:	60 g
Cable length:	6 cm
Norm conformity:	R&TTE 1999/5/EC, LVD 2006/95/EC, RoHS 2 2011/65/EU

Specifications are subject to changes without prior notice- Measured in specific conditions



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BEA hereby declares that the GS-1-HM is in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC, 2006/95/EC and 2011/65/EU.

Angleur, December 2014

Pierre Gardier, Authorized representative



For EC countries: according to the directive 2012/19/EU for Waste Electrical and Electronic Equipment (WEEE)