

Scan

**Plugwise**

The Scan is a light sensor and motion detector for the Plugwise network. By using the software, the Scan can be assigned to groups of modules (like Circles and Stealth). Appliances and lighting can be switched automatically without the installation of cables.

Dimensions: 79.9 x 86.5 x 35 mm
Power supply: 1 x 3,6V AA battery

ZigBee-MESH: 2.4 GHz

Be wise, plug in.

Technical details

Scan

Parameters	Min.	Nominal	Max.	Unit	Remarks
Mounting					
Mounting height (ceiling)	2.40	2.70	3.50	m	
Environmental conditions					
Operational	0 5		60 95	°C %RH	Non condensing
Storage	-40 0		85 95	°C %RH	Non condensing
Power					
Supply voltage	3.2	3.6	3.6	Vdc	
Battery lifetime	2			years	Single non-rechargeable 3.6V (2400 mAh) AA Li-ion battery
Passive infrared detection					
Wavelength range	3		14	µm	Optimized for human presence detection
Detection angle		170		° (degree)	Depending on mounting position
Detection range	0		6	m	
Mechanics					
Dimensions		79.9 x 86.5 x 35		mm	(l x w x h)
Buttons		1			A single reset button is implemented
LED's		1			A single red LED is implemented
Flash capacity					
Storage capacity		512		kByte	Used for ZigBee firmware updates
Endurance		100.000		Cycles	Program / erase
ZigBee communication					
Baud rate			250	kbps	O-QPSK
Frequency	2400		2483.5	MHz	16 channels of the 2.4 GHz ISM band
Bandwith		2.0		MHz	5 MHz channel spacing
Recieve sensitivity	-92	-97	-98	dBm	@ 1% per 20-byte packet
Transmission power	-32	3	5	dBm	

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