



## IR80B, IR80UL

Easytec

### Passive infrared detector

---

- 12 m wide-angle Fresnel lens
- Pet immunity up to 12 kg
- Intelligent signal evaluation
- Temperature compensation
- Choice of two application settings

**Versatile in application.** The ergonomic and discrete design, that fits to every environment, good pet immunity as well as progressive signal evaluation, the IR80 is ideal for the residential sector.

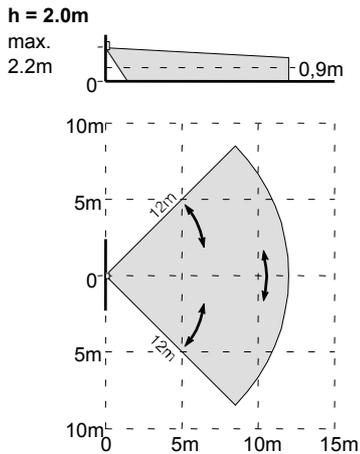
**Safe and easy installation.** The functional housing enables wall, 45° and corner mounting without accessories.

**Outstanding immunity.** The IR80 offers reliable catch performance with good immunity to environmental influences.

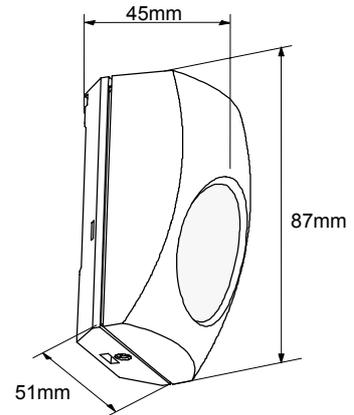
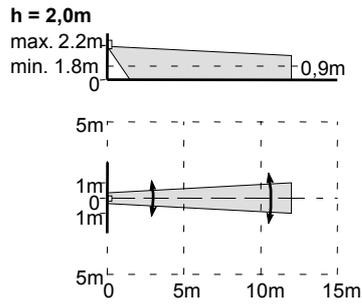
**Safe detection.** Thanks to the specially developed Fresnel lens high detection security is ensured. The signal evaluation guarantees good detection integrity by reliably differentiating between intruders and disturbance signals.

## Coverage range and dimensions

Wide angle lens (standard)



Curtain mask (covering foil)



## Technical data

Supply voltage (12 V nom.)	9.0 ... 16.0 V <sub>DC</sub>
– Max. ripple (0 ... 100 Hz)	2.0 V <sub>PP</sub>
– Voltage monitoring	Alarm at < 6.0 ... 8.0 V
Current consumption (at 12 V <sub>DC</sub> )	
– Quiescent / when alarm occurs (with LED)	12 mA / 16 mA
Alarm output, relay contact	30 V <sub>DC</sub> / 100 mA / R <sub>i</sub> 32 Ohm
Alarm holding time	2 ... 3 s
Walktest indicator	LED
Tamper contact	30 V <sub>DC</sub> / 50 mA
Walking speeds; Wide angle / Curtain	0.3 ... 3.0 m/s / 0.3 ... 3.0 m/s
Pet immunity	< 12 kg
Operation temperature	-20 ... +55 °C
Storage temperature	-20 ... +60 °C
Humidity (EN60721)	<95 % r.h., non-condensing
EMI rejection up to 1 GHz	>10 V/m
Housing protection EN60529, EN50102	IP41 / IK02

## Details for ordering

Type	Part no	Designation	Weight
IR80B	A5Q00002067	Passive infrared detector (1 pc.)	0.100 kg
	562962.0-001	Passive infrared detector (250 pcs.)	25.000 kg
IR80UL	A5Q00001768	Passive infrared detector (1 pc.)	0.100 kg
	562289.0-001	Passive infrared detector (250 pcs.)	25.000 kg
IRUM2	519876.0-001	Swivel wall mount bracket	0.045 kg
IRUM3	519889.0-001	Swivel ceiling mount bracket	0.070 kg

Siemens Building Technologies AG  
 Alte Landstr. 411  
 CH-8708 Männedorf  
 Tel. +41 1 - 922 6111  
 Fax +41 1 - 922 6450  
 www.sibt.com

© 2003 Copyright by  
 Siemens Building Technologies AG  
 Data and design subject to change without notice.  
 Supply subject to availability.