SIEMENS

IR100B

Swisstec

Passive infrared detector

with pet immunity

- **12 m wide-angle detection with look down zone or 20 m continuous curtain option**
- **Pet immunity up to 20 kg**
- **Real temperature compensation**
- **Digital BASIC signal evaluation**
- **Good white light filter through triplex mirror optics**
- **Choice of two application settings**

Versatile in application. A discrete ergonomic design that fits to every environment, good pet immunity and advanced signal processing make IR100B ideal for residential and smaller commercial applications.
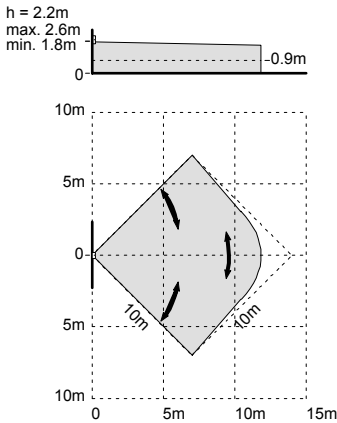
Safe and easy installation. The versatile housing base is designed for direct wall, 45° and corner mounting without additional accessories.

Outstanding immunity. IR100B offers uncompromised catch performance paired with high immunity to environmental influences.
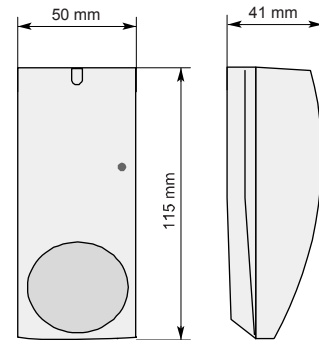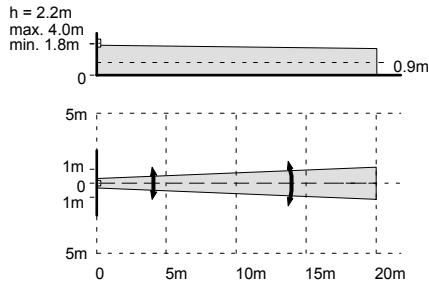
Safe detection. The 52 zone triplex mirror optics guarantee high detection integrity and the multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance signals.

Fire & Security Products

Coverage area and dimensions

Wide angle mirror (standard)

h = 2.2m
max. 2.6m
min. 1.8m

-0.9m

10m
5m
0
5m
10m

0   5m   10m   15m

10m   40m

Curtain mirror (option)

h = 2.2m
max. 4.0m
min. 1.8m

0.9m

5m
1m
0
1m
5m

0   5m   10m   15m   20m

50 mm

41 mm

115 mm

Technical data

Supply voltage (12 V nom.)	9.0 ... 16.0 V$_{DC}$
– Max. ripple (0 ~ 100 Hz)	2.0 V$_{PP}$
– Voltage monitoring	Alarm at <6.0 ... 8.0 V
Current consumption (at 9.0 … 16.0 V$_{DC}$)	
– Quiescent / when alarm occurs (with LED)	9 mA / 9 mA
Alarm output, relay contact	30 V$_{DC}$ / 100 mA / Ri 33 Ω
Alarm holding time	2 ... 3 s
Walk test indication	LED
Tamper contact	30 V$_{DC}$ / 50 mA
Walking speeds	
– Wide angle mirror / Curtain mirror, IRS112	0.2 ... 3.0 m/s / 0.2 ... 4.0 m/s
Pet immunity	< 10 kg
– with pet clip IRMC104	20 kg
Operating temperature	-20 ... +55 °C
Storage temperature	-20 ... +60 °C
Humidity (EN60721)	<95 % r.h. non-condensing
EMI rejection up to 2 GHz	>30 V/m
Housing protection (EN60529, EN50102)	IP41 / IK02

Details for ordering

Type	Part no.	Designation	Weight
IR100B	A5Q00002206	Passive infrared detector	0.110 kg
IRS112	562292	Curtain mirror (set of 4)	0.040 kg
IRMC104	562315	Pet clip (set of 4)	0.005 kg
IRUM20	562247	Wall-mounting bracket	0.030 kg
IRUM30	562250	Ceiling-mounting bracket	0.075 kg
-	503251	Adhesive tamper seal (1 pc.)	-