



Swisstec

## IR120MD

### 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 40 kg
- Real temperature compensation
- Digital AMASIC signal evaluation
- Good white light filter through triplex mirror optics
- Choice of four application settings

**Versatile in application.** A discrete ergonomic design that fits to every environment, good pet immunity and advanced signal processing make IR120MD ideal for residential and small commercial applications.

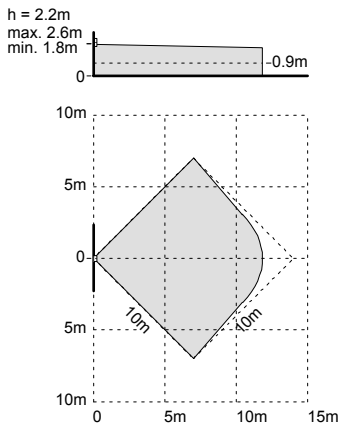
**Safe and easy installation.** The versatile housing base is designed for direct wall, 45° and corner mounting without additional accessories.

**Outstanding immunity.** IR120MD offers uncompromised catch performance paired with high immunity to environmental influences.

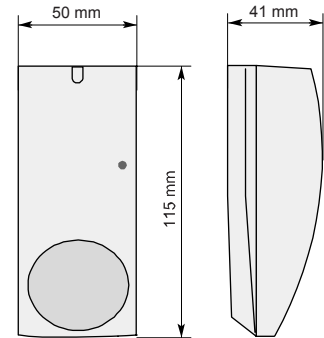
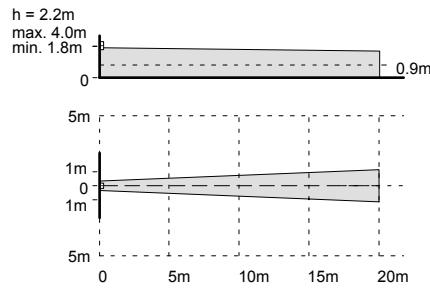
**Safe detection.** The 52 zone triplex mirror optics guarantee high detection integrity and the multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance signals.

## Coverage areas and dimensions

### Wide angle mirror (standard)



### Curtain mirror IRS122 (option)



## Technical data

Supply voltage (12 V nom.)	8.0 ... 16.0 VDC
- Max. ripple (0 ... 100 Hz)	2.0 V <sub>PP</sub>
- Voltage monitoring	Alarm at <6.0 ... 8.0 V
Current consumption (at 8.0 ... 16.0 VDC)	
- Quiescent / when alarm occurs (with LED)	6 mA / 6 mA
Alarm output, relay contact	30 VDC / 100 mA / R <sub>i</sub> 33 Ω
Alarm holding time	2 ... 3 s
Tamper contact	30 VDC / 50 mA
Control inputs (walktest; unset/set)	LOW ≤1.5 V / HIGH ≥3.5 V
Walking speeds	
- Wide angle mirror / Curtain mirror, IRS122	0.2 ... 3.0 m/s / 0.2 ... 4.0 m/s
Pet immunity	<20 kg
- with pet clip IRMC104	40 kg
Operating temperature	-20 ... +55 °C
Storage temperature	-20 ... +60 °C
Humidity (EN60721)	<95 % r.h. non-condensing
EML rejection up to 1 GHz / 1 ... 2 GHz	>30 V/m / >10 V/m
Housing protection (EN60529, EN50102)	IP41 / IK02
VdS environment class	II
Approvals, VdS class B	No. G 101522
- with IRS122	No. G 101525

## Details for ordering

Type	Part no.	Designation	Weight
IR120MD	540298	Passive infrared detector	0,100 kg
IRS122	562302	Curtain mirror (set of 4)	0,042 kg
IRMC104	562315	Pet clip (set of 4)	0,005 kg
IRUM20	562247	Wall-mounting bracket	0,032 kg
IRUM30	562250	Ceiling-mounting bracket	0,073 kg
-	503251	Adhesive tamper seal (1 pc.)	-

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

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