



IR120C

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 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 IR120C ideal for residential and small commercial applications.

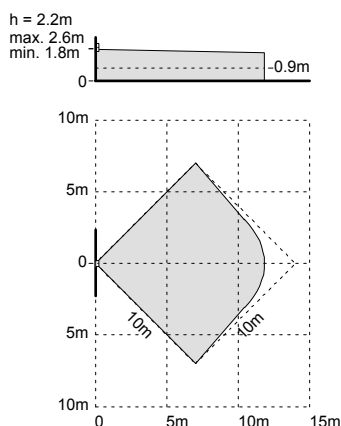
Safe and easy installation. The versatile housing base is designed for direct wall, 45° and corner mounting without additional accessories.

Outstanding immunity. IR120C offers uncompromised catch performance paired with high immunity to environmental influences.

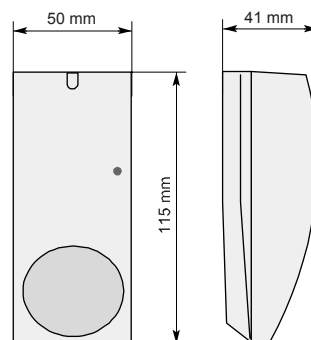
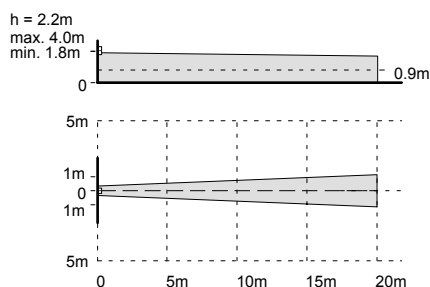
Safe detection. The 52 zone triplex mirror optics guarantee high detection integrity and the multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance signals.

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 _{PP} |
| - 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 _i 33 Ω |
| Alarm holding time | 2 ... 3 s |
| Tamper contact | 30 VDC / 50 mA |
| Control inputs (walktest) | 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 |
| EMI 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 101521 |
| - with IRS122 | No. G 101524 |

Details for ordering

| Type | Part no. | Designation | Weight |
|---------|----------|------------------------------|----------|
| IR120C | 540379 | 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.) | - |

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