

iWISE DT AM and iWISE AM Anti-Masking detectors

Dual Technology
with Anti-Masking

iWISE DT AM



Many detectors provide a solution to masking of the detector's field-of-view... but only iWISE DT AM provides a solution BOTH to masking attempts of the detector AND to camouflage attempts of an intruder's body.

The iWISE DT AM is the ultimate detector for high-risk installations, combining both Anti-Masking and Anti-Cloak™ Technology (ACT™).

Any attempt to approach the detector and mask its field-of-view activates the AM relay and the Alarm*, while camouflaged burglars are identified by Rokonet's revolutionary ACT™ (patent pending). ACT™ switches to microwave-only mode for a brief predefined period, only during a cloaking attempt or when room temperature equals body temperature, providing unrivalled detection together with improved false alarm immunity.

The discreet slim design, ample wiring space, and outstanding ease of installation complement the above to make iWISE Anti-Mask detectors the best choice for your high-risk installations.

* Jumper Selectable



Masking is when a would-be intruder physically approaches the detector to cover the **detector's field-of-view** while the alarm system is not armed - in preparation for a burglary.



Cloaking is when an intruder **camouflages himself** in order to appear like the room background, by blocking his infra-red rays from reaching the detector during a burglary.



ROKONET

R I S C O G R O U P

Intelligence in the Service of Security

PIR Technology with Anti-Masking **iWISE AM**

The iWISE AM is the most advanced PIR detector for high-risk applications, **using two active infrared channels for anti-masking**. One active IR channel utilizes special prisms located between the LEDs to detect any object obstructing the detector's field-of-view. The second active IR channel is located behind the lens to protect against spraying or covering the lens - even with lacquer.

The iWISE AM provides ultimate catch performance and false alarm immunity, enabled by digital signal processing, patented True Temperature Compensation and an improved lens design.



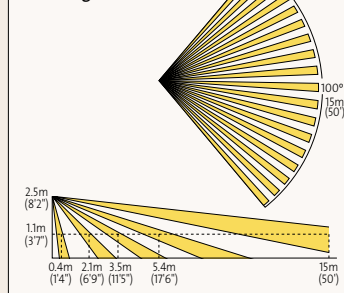
Two active IR channels for optimal Anti-Masking

- Active IR detects obstruction of field-of-view.
- Active IR detects lens covering or paint spraying.

Technical and Ordering Information for iWISE DT AM & iWISE AM

| SPECIFICATIONS | iWISE DT AM with ACT™ | iWISE PIR AM |
|--|--|------------------------------------|
| Coverage | 15m (50') 100°, 4 vertical levels plus creep zone | |
| Variable mounting height | 2.1m to 3.3m (6'11" to 10'10") | |
| Intruder detection method | Combined PIR & Microwave with Anti-Cloak™ Technology | PIR with Digital Signal Processing |
| Anti-Masking method | Active Microwave + PIR logic | Two Active Infrared Channels |
| Trouble indication | Visual & separate AM / trouble relay | |
| RFI Immunity | 30 V/m from 10MHz to 1 GHz | |
| Operating voltage | 9-16 VDC | |
| Current consumption | 12mA | 20mA |
| Alarm and Tamper contacts | N.C., 100mA, 24VDC | |
| Alarm time | 2.2 sec. minimum | |
| Optical filtering for white light protection | Pigmented Fresnel lens | Pigmented sensor shield |
| Operating temperature | -20° to 55° C (-4° to 131° F) | |
| Storage temperature | -20° to 60° C (-4° to 140° F) | |
| Dimensions | 128 x 64 x 41 mm (5.0 x 2.5 x 1.6") | |

Wide angle lens RL-115D



Corridor lens RL-15



Long Range lens RL-17V



ORDERING INFORMATION:

| | |
|--------------|------------------------------------|
| RK815DTAMxxA | iWISE DT AM |
| RK800AM0000A | iWISE PIR AM |
| RA91T000000A | iWISE wall swivel with back tamper |
| RA910000000A | iWISE wall/corner swivel |
| RA900000000A | iWISE ceiling swivel |
| RL15 | Corridor lens for iWISE DT AM |
| RL17V | Long range lens for iWISE PIR AM |

xx select the microwave X-band frequency for your market according to the following list:
 00 10.525 GHz for most countries
 UK 10.687 GHz for UK
 FR 9.9 GHz for France and Czech Republic
 DE 9.35 GHz for Germany



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