

Dual Technology Motion Detectors with Anti-Cloak™ Technology

iWISE DT/DT-QUAD

iWISE detectors incorporating Anti-Cloak™ Technology (ACT™) assure that no intruder passes undetected. ACT™ makes the iWISE detector series the premier choice for any commercial, industrial or harsh residential installation.

The breakthrough of Anti-Cloak™ Technology is automatic criteria driven switching from dual-channel to single-channel microwave alarm triggering. Rokonet's innovative ACT™ enables benefiting from both worlds: dual technology's immunity to false alarms, together with microwave's higher detection capability.



- MW & PIR/Quad PIR technologies
- Anti-Cloak™ Technology (patent pending)
- Coverage up to 25m (82 ft)
- Trouble indication
- Creep zone
- Microwave range adjustment
- Flexible installation height up to 3.3m (10'10")
- Low current consumption
- 30V/M RF immunity
- Anti-fluorescent interference signal processing
- Wall/corner or ceiling swivel (optional)
- Wall tamper-proof swivel (optional)
- Long range lens (optional)

Specifications	RK810DT	RK815DT/DTQ	RK825DT
Coverage pattern	10m (33') 100°	15m (50') 100°	25m (82') 85°
Mounting height	2.1m to 3.3m (6'11" to 10'10")	2.1m to 3.3m (6'11" to 10'10")	1.8m to 2.0m (5'11" to 6'7")
Operating voltage	9 to 16 V regulated		
Electrical current consumption	19mA at 12V		
Alarm contact	100mA, 24V, N.C.		
Tamper contact	100mA, 24V, N.C.		
Alarm time	2.2 seconds minimum		
ACT™ mode selection	ACT™ (Anti-Cloak™ Technology) ON/OFF		
Optical filtering	White light protection, pigmented lens		
RF immunity	30V/m (40V/m for DT Quad)		
Operating temperature	-20° to 55° C (-4° to 131° F)		
Storage temperature	-20° to 60° C (-4° to 140° F)		
Dimensions	127.6 x 64.2 x 40.9 mm (5.0 x 2.5 x 1.6")		

Anti-Cloak™ Technology

The proprietary Anti-Cloak™ Technology will cope with any attempt of a burglar using camouflage techniques to conceal his IR radiation. When this situation is identified ACT™ automatically switches the detector to trigger alarms based primarily on detection of the microwave channel for a predefined window of time. This extraordinary performance is achieved by unique analysis of the signals in the microprocessor using innovative pattern recognition algorithms. The technology enables the detector to achieve extremely high detection performance and still cope with all sources of false alarms such as thermal or electrical interferences.

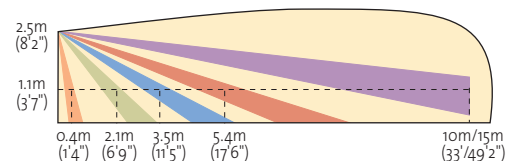
ACT™ also overcomes PIR technology's limitation of poor detection sensitivity when the ambient temperature is close to that of the human body. When this occurs the detector automatically switches to single channel microwave triggering of alarms.

For extremely harsh environments the dual technology model with quad PIR sensors is recommended.

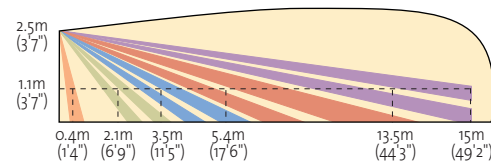


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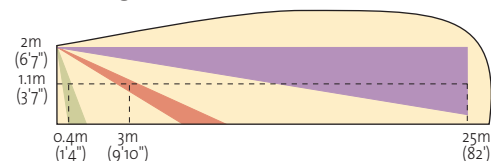
Wide Angle lens for RK810DT/815DT



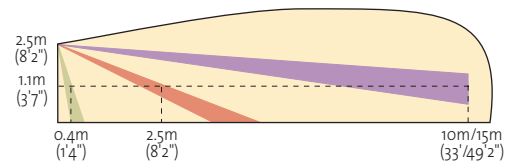
Wide Angle lens for RK815DTQ



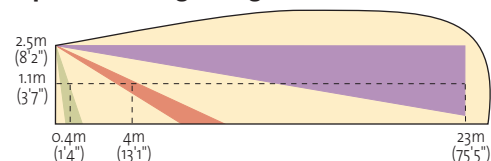
Wide Angle lens for RK825DT



Optional Corridor lens for RK810DT/815DT



Optional Long Range lens for RK825DT



iWISE DT/DT QUAD ordering information	
RK810DT0000A	iWISE DT 10m 10.525GHz
RK815DT0000A	iWISE DT 15m 10.525GHz
RK825DT0000A	iWISE DT 25m 10.525GHz
RK815DTQ000A	iWISE DT QUAD 15m 10.525GHz
RK810DT00UKA	iWISE DT 10m 10.687GHz UK
RK815DT00UKA	iWISE DT 15m 10.687GHz UK
RK825DT00UKA	iWISE DT 25m 10.687GHz UK
RK815DTQ0UKA	iWISE DT QUAD 15m 10.687GHz UK
RK810DT00FRA	iWISE DT 10m 9.9GHz France
RK815DT00FRA	iWISE DT 15m 9.9GHz France
RK825DT00FRA	iWISE DT 25m 9.9GHz France
RK815DTQ0FRA	iWISE DT QUAD 15m 9.9GHz France
RA91T000000A	iWISE/COSMOS wall swivel with back tamper
RA910000000A	iWISE/COSMOS wall/corner swivel
RA900000000A	iWISE/COSMOS ceiling swivel
RL15	Corridor lens for RK810DT/815DT
RL17	Long range lens for RK825DT



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