

DT-900 Series

EN 50131-1 Security Grade 4 DUAL TEC® Motion Sensor



FEATURES

INFORMER™ Circuit Identifies Range Reduction

Queue Logic Processing

Patented 90° Look-down Zones

Mirror Optics

Active Infrared for Anti-Masking

Zero Clearance Bug Guard

Easy Height Adjustment

3 Individual Tamper Switches

Vandal Resistant Housing

Ratcheted Swivel Base



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SPECIFICATIONS

Dimensions:	134mm x 178mm x 210mm (h x w x d)
Weight:	1.36kg (Packaged 1.6kg)
Alarm Relay:	Energised Form C (NO\NC) \ 125mA @ 25 VDC 22 Ohm series protection resistor
Tampers:	Wall, bottom, top cover Form A (NC) \ 25mA @ 30 VDC
Trouble and Anti-Mask Relays:	Form B (NC) \ 25mA @ 30 VDC
Power Requirements:	10 ~ 15 VDC; 50 mA (max.) @ 12 VDC. AC ripple: 3V peak-to-peak at nominal 12 VDC
Operating Temperature:	-10°C to +49°C; 5% to 95% relative humidity (non condensing)
PIR White Light Immunity:	65000 lux
RFI Immunity:	30V/m 10 MHz – 1000 MHz
ESD Immunity:	± 10kV
Mounting Height:	Minimum mounting height 2m and maximum mounting height 3.7m
Microwave Frequency:	X-Band
Approvals/Listings:	UL Listed, CE, ULC, C-Tick, PD 6662 Security Grade 4 Environmental Class II

Detection Patterns:

PIR Fields of View

DT906 - 61 m Range

(2 overlapping fields of view per PIR finger):

Long	2
Intermediate long	6
Intermediate	4
Intermediate lower	4
Lower	8
Look-down	2

DT906 - 37 m Range

(2 overlapping fields of view per PIR finger):

Long	6
Intermediate long	4
Intermediate	4
Lower	8
Look-down	2

DT900 - 27 m Range

(2 overlapping fields of view per PIR finger):

Long	18
Intermediate long	18
Intermediate	16
Intermediate lower	12
Lower	8
Look-down	2

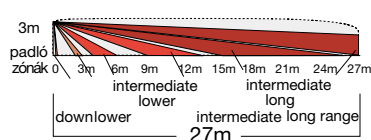
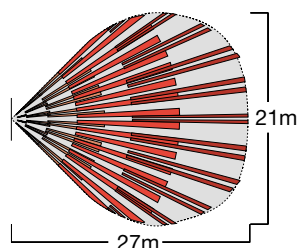
DT900 - 15 m Range

(2 overlapping fields of view per PIR finger):

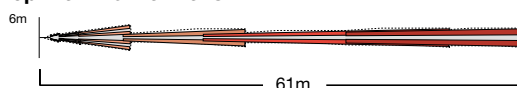
Long	18
Intermediate long	16
Intermediate	12
Lower	8
Look-down	2

Top View Wide Angle Lens

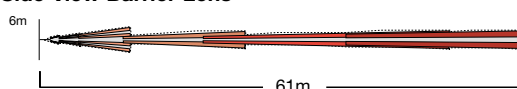
Side View Wide Angle Lens



Top View Barrier Lens



Side View Barrier Lens



Features	DT900	DT906
Range	15 x 12 m 27 x 21 m	37 x 3 m 61 x 5 m
Sensor Look-Down	Yes	Yes
Microcontroller Processing	Yes	Yes
Anti-Masking	Yes	Yes
Sensitivity Adjustments	Yes	Yes
Separate Outputs for Trouble & Anti-Masking	Yes	Yes
Alarm Relay	Form C	Form C
Swivel Mount Bracket	Included	Included
Tamper Switch on Housing	Yes	Yes
Tamper Switch(es) on Swivel Mount	Yes (2)	Yes (2)
Maximum Recommended Mounting Height	3.6 m	3.6 m
Calibrate Mounting Adjustments	Yes	Yes
Self-Diagnostics	Yes	Yes
Remote LED Enable	Yes	Yes
Zero-Clearance Bug Guard	Yes	Yes
EOL Terminals	Yes	Yes
Temperature Compensation	Yes	Yes
Warranty	5 years	5 years
CENELEC Conformity	Yes	Yes
Remote Self-Test	Yes	Yes
PD 6662 Security Grade4, Environmental Class II	Yes	Yes

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