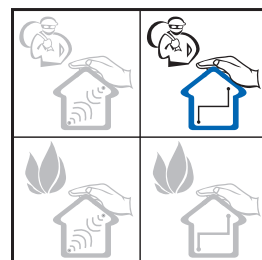


BURGLAR ALARM DETECTORS:
TITAN Series

Teletek Electronics JSC
provides 5 years guarantee
for TITAN PIR detector series



Ordering Information:

Part number	Description
31060016	TITAN AG
31060039	TITAN DL
31060023	TITAN QD 40

TITAN PIR Detectors

TITAN Series is high quality PIR detectors suitable for medium to high risk commercial and residential applications where security cannot be compromised. The TITAN PIR detector series has minimum 12kg PET Immunity option for each type. TITAN series detector is equipped with very precise cylindrical lens which guaranteed stable and reliable detection. A bracket is available as option.



TITAN AG

- PIR detector with cylindrical lens;
- 90° coverage area in 54 zones;
- Operating range up to 15m;
- Temperature compensation;
- High white light immunity up to 6500Lux;
- PET immunity: small animals up to 12kg;
- Reverse polarity protection.



TITAN DL

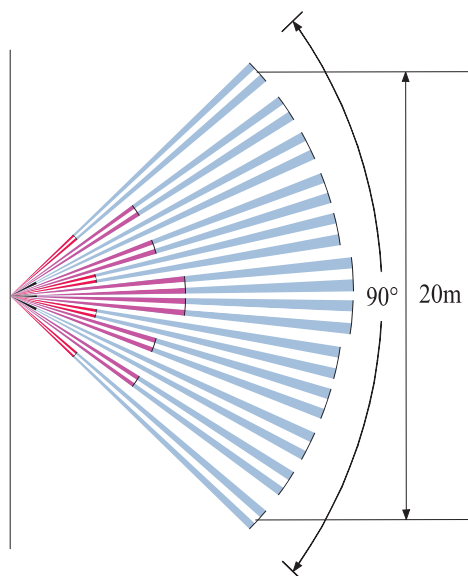
- Digital processing algorithm;
- Suitable for application in high class buildings - bank offices, storehouses, etc;
- Digital bi-directional temperature compensation;
- 90° coverage area in 54 zones;
- Operating range up to 15m;
- White light immunity up to 4000Lux;
- PET immunity: small animals 12/20kg - selectable;
- Reverse polarity protection.



TITAN QD 40

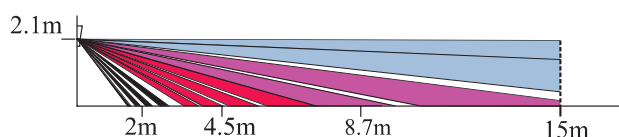
- PET immunity up to 25/40kg - selectable;
- Operating range up to 15m;
- 90° coverage area in 54 zones;
- Digital bi-directional temperature compensation;
- Excellent white light immunity up to 6500Lux;
- Reverse polarity protection.

Lens Pattern - top view



	TITAN AG	TITAN DL	TITAN QD 40
Algorithm	Analogue	Digital	Digital
Filtering	Analogue	Digital + Analogue	Digital + Analogue
Range, m	1.5-15	1.5-15	1.5-15
Temperature Compensation	✓	Digital bi-directional	Digital bi-directional
RF Immunity	10 V/m; 80 - 2000 MHz	10 V/m; 80 - 2000 MHz	10 V/m; 80 - 2000 MHz
PET Immunity	Up to 12kg	12/20kg (selectable)	25/40kg (selectable)
Detection Speed	0.2-3.5 m/s	0.2-3.5 m/s	0.2-3.5 m/s
Operating Temperature	-20°C ÷ +50 °C	-20°C ÷ +50 °C	-20°C ÷ +50 °C
White Light Immunity, lux	6500	4000	6500
Sensitivity Adjustment	1 and auto	1, 2 and 3 pulses	1 and 2 (PET)
Viewing Angle	90°	90°	90°
Indication On/Off	LED	LED	LED
OptoMOS Output	✓	✓	✓
Operating Voltage	9 - 18V DC	9 -18V DC	9 - 18V DC
Consumption	<12mA	<14mA	<14mA

Lens Pattern - side view



PET Immunity



TITAN AG (PET - 12kg)
TITAN DL (PET - 12/20kg)



TITAN QD 40 (PET - 25/40kg)

Ordering Information:

Part number	Description
31060029	TITAN MW
31060030	TITAN MW AM
31060035	TITAN GB

TITAN Dual Technology PIR Detectors

Dual technology detectors assure extremely high level of protection with supreme quality. For excellent performance in detection we combine Microwave and Glass Break with PIR technology giving that way more flexibility for professionals. Anti Masking and Anti Spray options provided for TITAN MW AM make this detector unbeatable. A bracket is available as option.



TITAN MW / TITAN MW AM

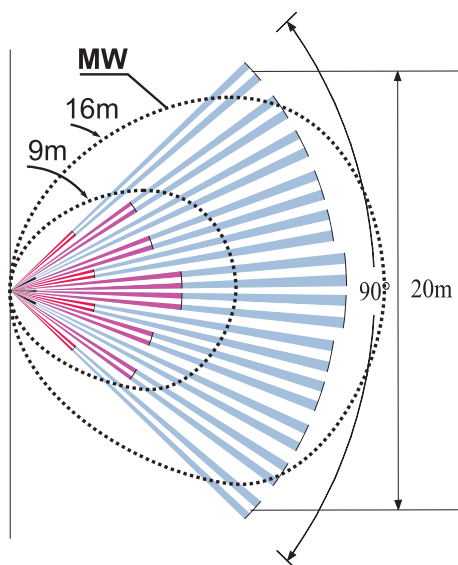
- Dual Technology (PIR+MW);
- Digital Analysis;
- Cylindrical lens;
- Function "Triple Knock" - maximum protection against false alarms;
- AntiMasking and AntiSpray for TITAN MW AM, covers GRADE3 according EN 50131;
- White light immunity up to 4000Lux;
- PET Immunity up to 12kg (TITAN MW, for the PIR part only);
- Sensitive adjustment - MW, AM and PIR;
- Reverse polarity protection.



TITAN GB

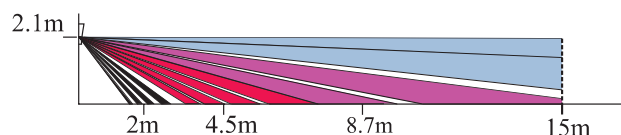
- Dual Technology (PIR + GBD glass break).
- Pulse count adjustment PIR and GBD;
- Frequency adjustment - GBD;
- Excellent white light immunity up to 6500Lux;
- PET Immunity up to 12kg (for the PIR part only);
- Auto temperature compensation;
- Reverse polarity protection.

Lens Pattern - top view



	TITAN MW / TITAN MW AM	TITAN GB
Algorithm	Digital	Analogue
Detection Range	MW: 5 - 15 m PIR: 1.5 - 15 m	GB: up to 15 m PIR: 1.5 - 15 m
PIR Sensitivity	Maximum or Auto	1 pulse, Auto
PIR Detection Speed	0.2 m/s - 3.5m/s	0.3 m/s - 3.0m/s
MW Sensitivity	With Trimmer, Frame Recognition	-
MW Frequency	10,525 GHz (X-Band)	-
GB Frequency	-	5 - 10 kHz
Functions	-	Frequency and Amplification
Outputs	OptoMOS Relay	OptoMOS Relays-Separately
White Light Immunity, lux	4000	6500
Operating Temperature	-20°C ÷ +50°C	-20°C ÷ +50°C
LED for Status Indication	3 LEDs-PIR, MW, ALARM	✓
Anti Masking and Anti Spray	- / ✓	-
Operating Voltage	9 - 18V DC	9 - 18V DC
Consumption Standby/Alarm, max	23/46mA@12V DC	17/32mA@12V DC

Lens Pattern - side view

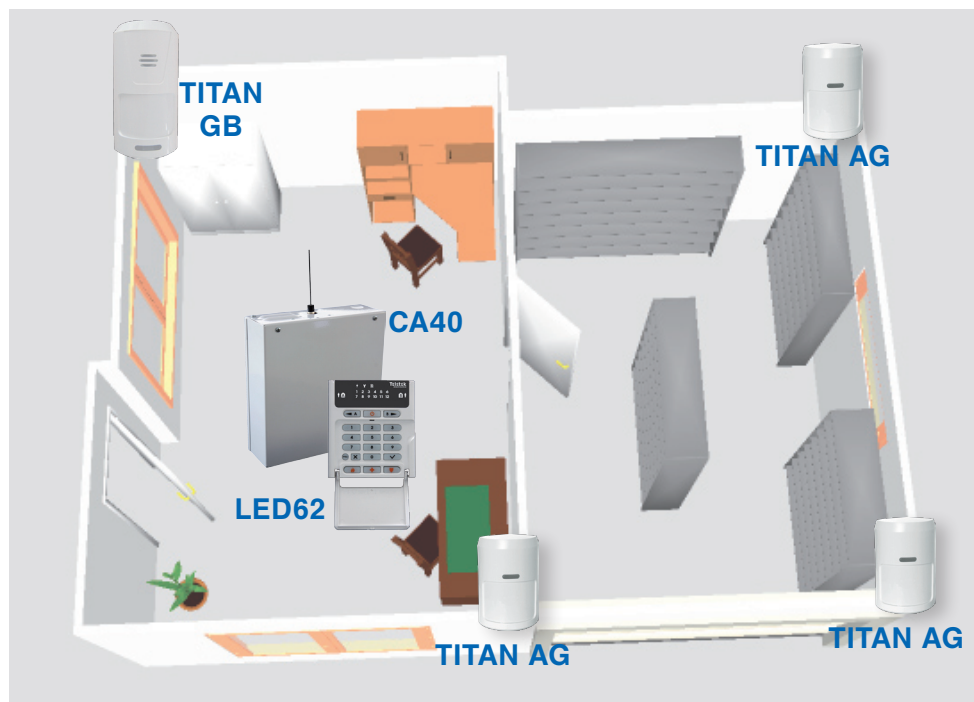


PET Immunity (for the PIR part only)



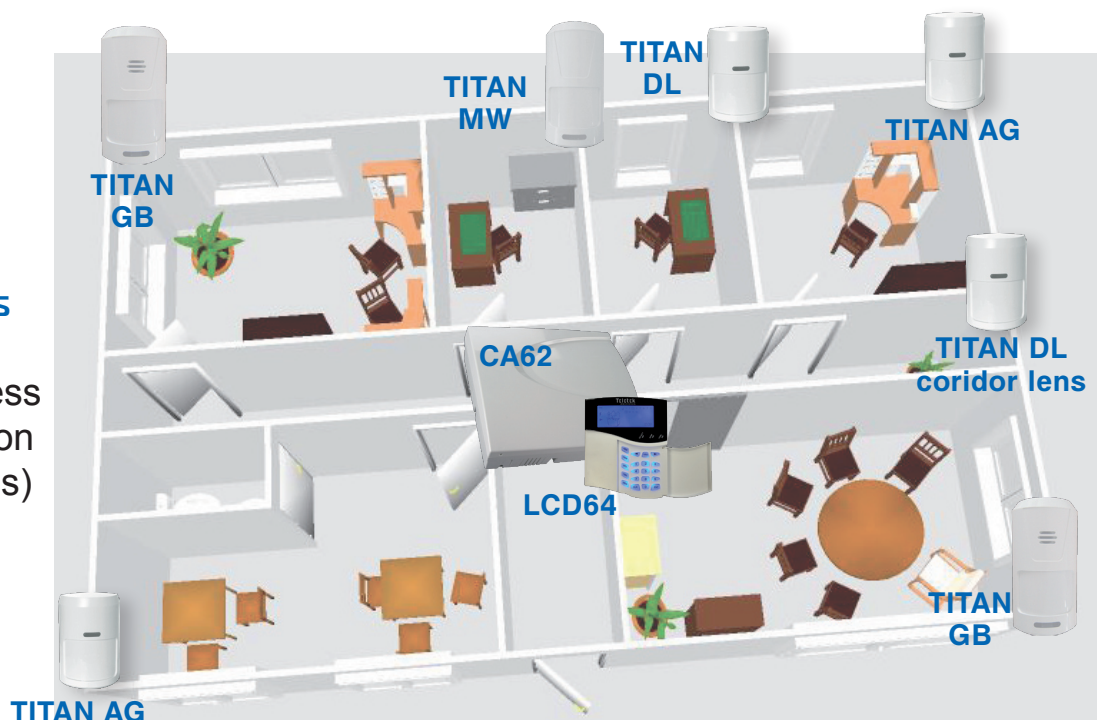
TITAN MW (PET - 12kg)
TITAN GB (PET - 12kg)

SYSTEM SOLUTIONS



CA40 and TITAN Series

Small Business
Security Solution
(small shop +
storage area)



CA62 and TITAN Series

Medium Business
Security Solution
(office premises)

Please contact your local distributor and ask for the Teletek Electronics full colour Product catalogue.

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Tel.: (+359 2) 9694 800, 969 47 44, Fax: (+359 2) 962 52 13
e-mail: info@teletek-electronics.bg, www.teletek-electronics.com



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