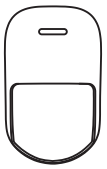
TELETEK
PIRIN DL



Grade 2 Class II

EN 50131-1:2006/A1:2009/A2:2017/A3:2020
EN 50131-2-2:2021
CEB T 031:2017+A1:2018+A2:2022

Read carefully the instruction manual before starting the installation! This manual is subject to change without notice!

18021261, Rev.A, 05/2023

Functional Features

- Dual PIR sensor;
- Digital processing algorithm;
- Suitable for application in high class buildings - bank offices, storehouses, etc;
- Digital bi-directional temperature compensation;
- Simple screw-free structure for easy installation;
- PREALARM function - LED indication for the status;
- PET Immunity up to 12/20kg;
- Reverse polarity protection;
- On board EOL resistors for Tamper and Zone Alarm - ready for using with Eclipse series alarm control panels;
- Creep zone protection (the space underneath the detector, which can be mechanically disabled or enabled);
- Optional ball-joint mounting bracket;
- Optional PIRIN mounting bracket for wall and ceiling mounting;
- Color coded terminals for quick and easy recognition during the installation;
- Additional 7-level sensitivity settings.

Technical Specifications

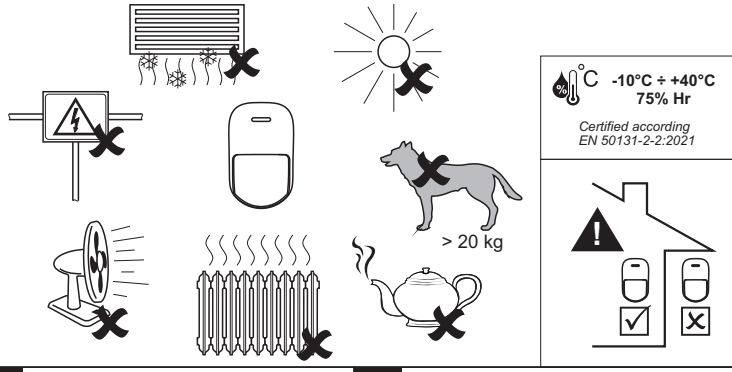
Operating voltage	9 - 18 V DC
Current consumption	< 15 mA
Alarm relay (on board, built-in, NC type)	1K, 2K2
Tamper relay (on board, built-in, NC type)	1K, 510Ω, Short
Working temperature	-15°C - +50°C*
PET Immunity	12 / 20kg
RF immunity	10 V/m @ 80 MHz - 6 GHz
Electrostatic immunity	8 kV
Walk detection speed	0.3m/s - 3m/s
Coverage angle	90°
Coverage range (creep zone protected)	0.5 - 12m
Coverage range (creep zone ignored)	1.5 - 12m
Mounting height	1.5 - 2.6m (2.1m)
Number of detection zones	71
Dimensions	108 x 66 x 47mm
Weight	~ 63 g
Warm up time	50s
Material	ABS
Color	white, RAL 9003

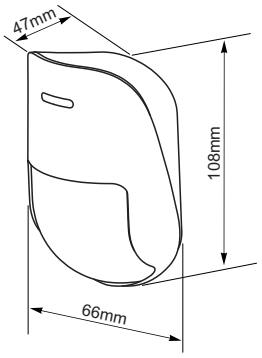
**Not certified according EN 50131-2-2:2021*

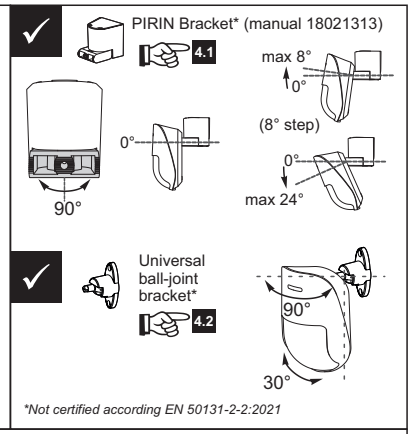
Test

The walk test is a consecutive coverage zones determination (see the diagram). To perform this test, walk through a selected coverage zone. Make sure the LED goes on when entering the zone. It is recommended to perform this test each week.

! **Attention: Do not obscure partially or completely the detector's field of view!**

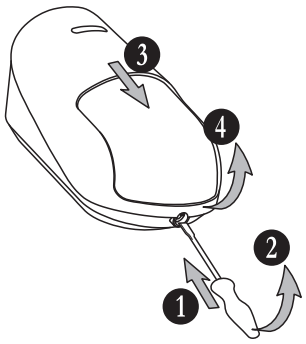




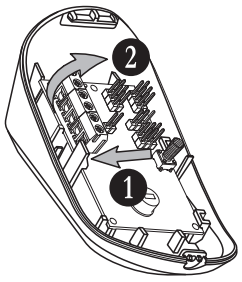


**Not certified according EN 50131-2-2:2021*

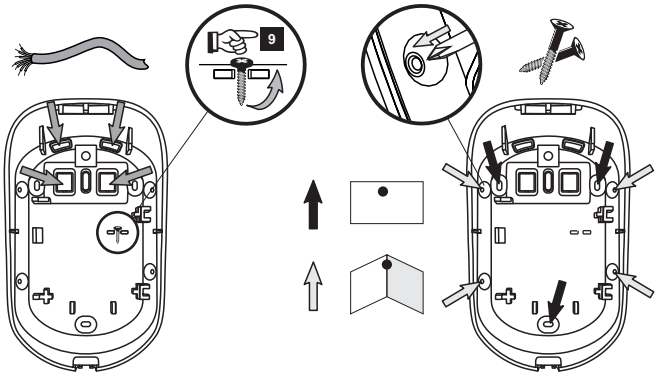
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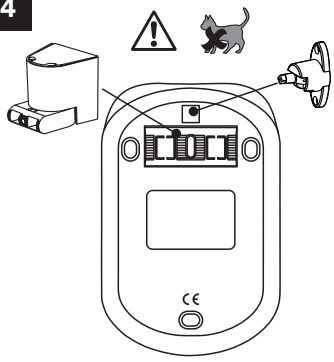
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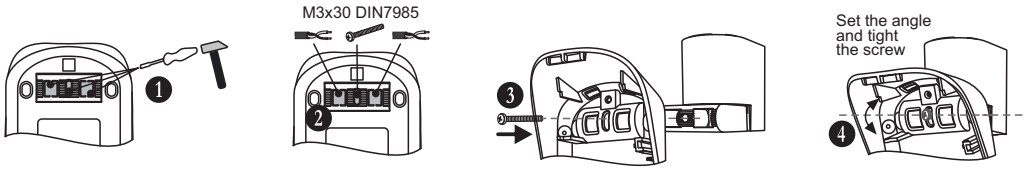
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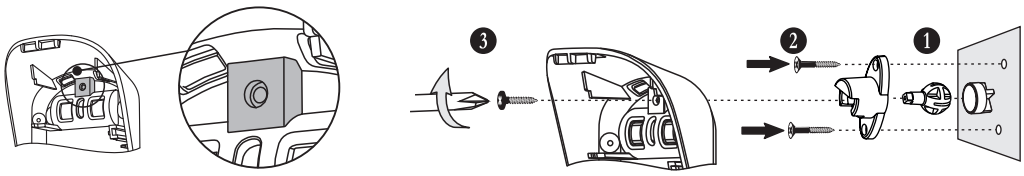
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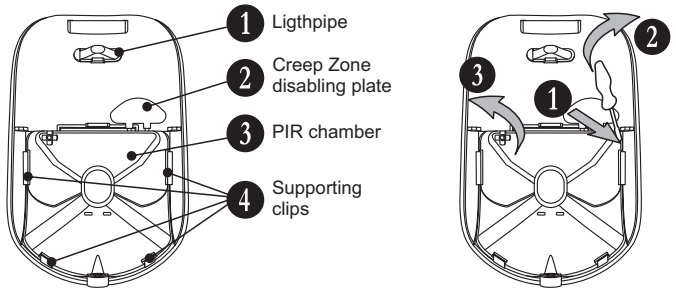
4.1



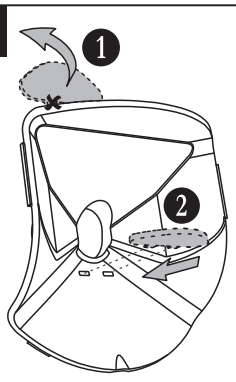
4.2

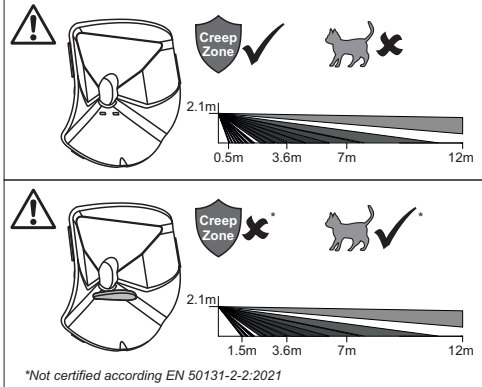


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6

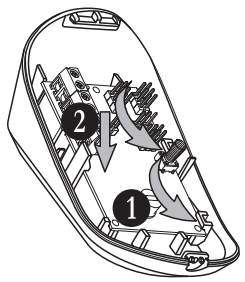




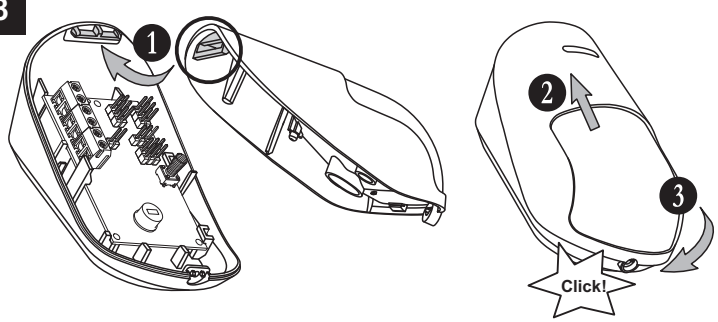
**Not certified according EN 50131-2-2:2021*

Teletek Electronics JSC
14A Srebarna Str, 1407 Sofia, Bulgaria, Tel.:+359 2 9694 800, www.teletek-electronics.com, info@teletek-electronics.bg

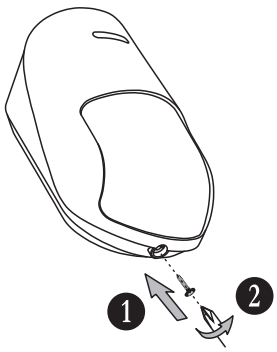
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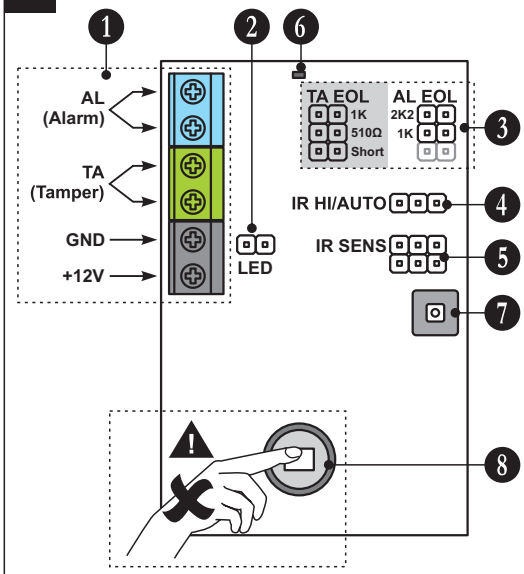
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9

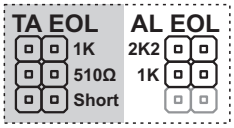


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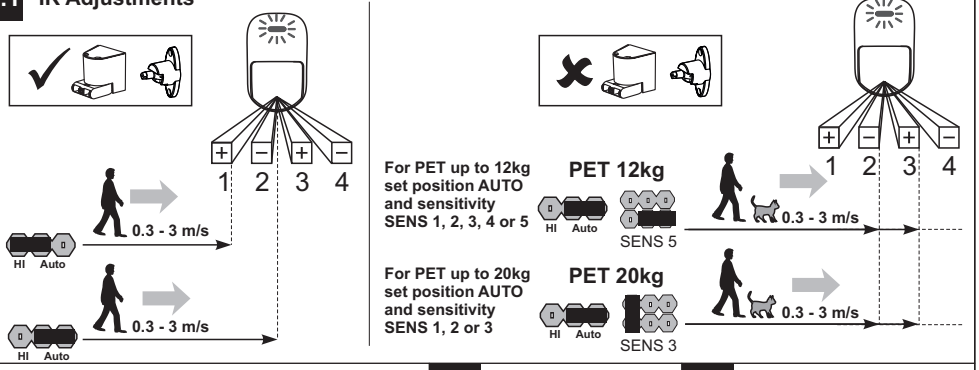


PCB Elements

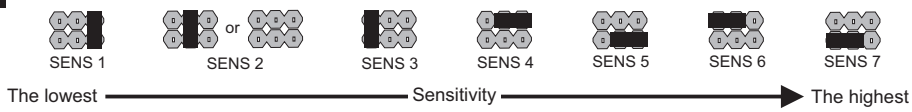
1. Terminals for connection to control panel.
2. LED enable/disable terminals - see 10.3.
3. Tamper (TA) and Alarm (AL) EOL resistor terminals for selecting the EOL resistor value used for wiring applications - see 10.5. Ready for use with Eclipse series control panels.
4. IR HI/AUTO terminals - see 10.1 10.4 for alarm indication settings.
5. IR SENS terminals for sensitivity adjustment - see 10.2.
6. LED indicator (red).
7. Tamper switch for self-protection of the cover.
8. IR sensor. Do not touch!



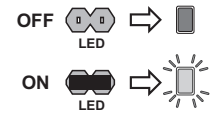
10.1 IR Adjustments



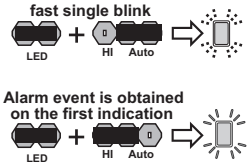
10.2 IR SENS Jumper Settings



10.3 LED Indication



10.4 Alarm Indication

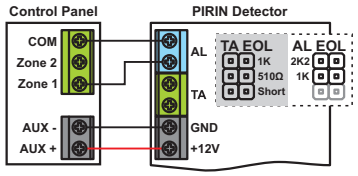


10.5 On-board EOL Resistors

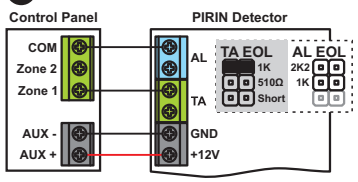
Attention: The relays TA (Tamper) and AL (Alarm) are NC type. No NO type wiring diagrams are possible for realization. If the EOL wiring is not used, leave the TA and AL jumpers off. To set ON a value, place a jumper on the respective terminals.To set OFF a value, remove the jumper (if set).

The on-boards resistors are fully compatible with the wiring diagrams for single (1-5) and doubling (6-9) zone connection of Eclipse series alarm control panels. The used range of resistor values cover also majority of installations with third-party intruder control panels. PIRIN DL comes with factory set 1K jumper on TA EOL terminals, which corresponds to connection diagram style 2 in Eclipse panels. The correspondence of the other Eclipse connection styles is as follows:

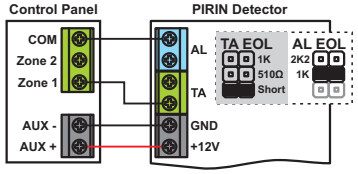
1 NC without EOL



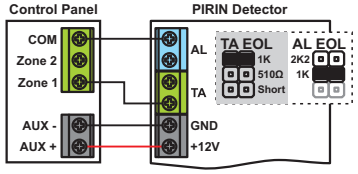
2 NC with EOL (default)



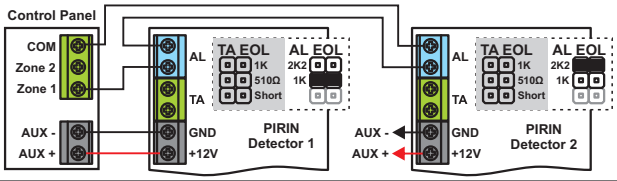
4 NC without EOL, Tamper Recognition



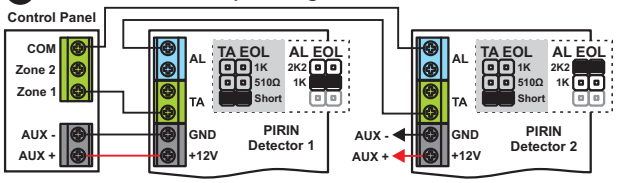
5 NC with EOL, Tamper & short-circuit recognition



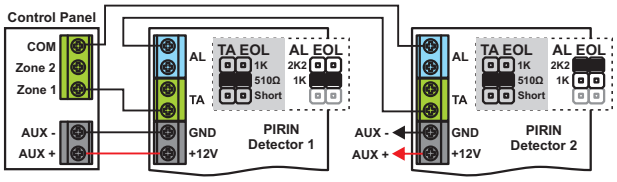
6 NC without EOL



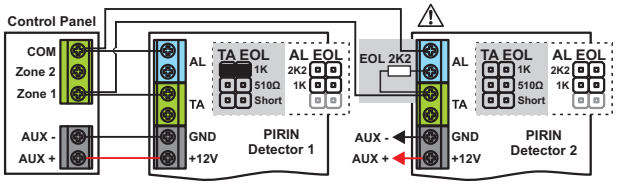
7 NC without EOL, Tamper recognition



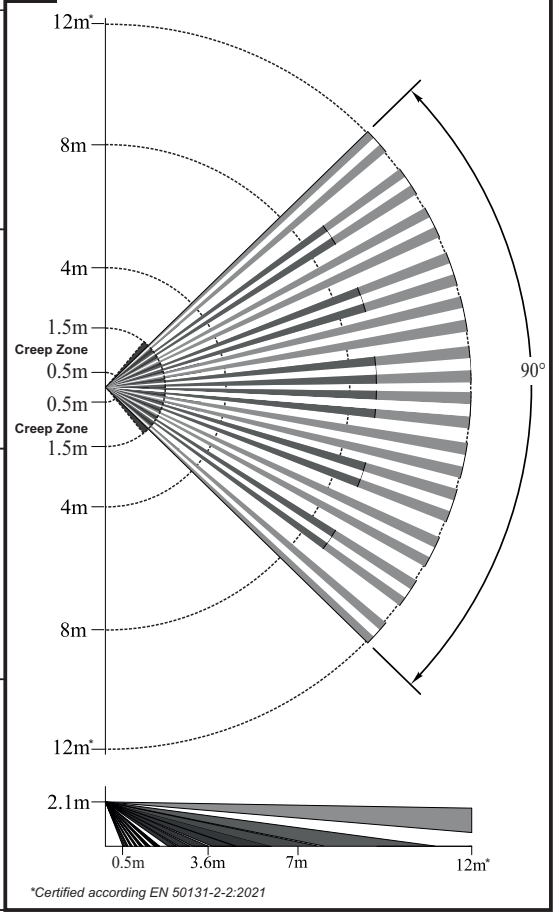
8 NC with EOL, Tamper recognition



9 NC without EOL, no Tamper (parallel connection)



11 LENS PATTERNS



*Certified according EN 50131-2-2:2021