

KX18DC®

18m Digital Curtain PIR Detector

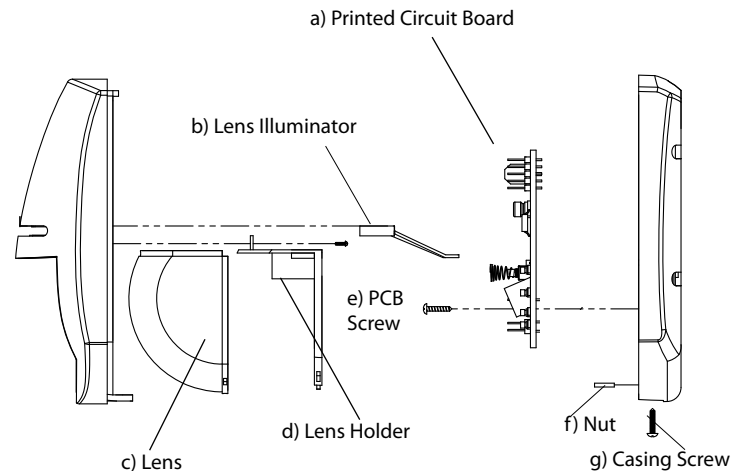


EN50131-2:2008
EN50131-1
PD6662:2010
Security Grade 2
Environmental Class II

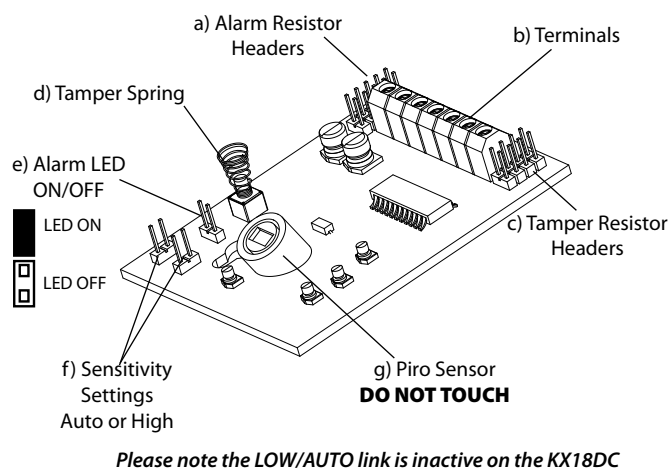


RINS1040-5

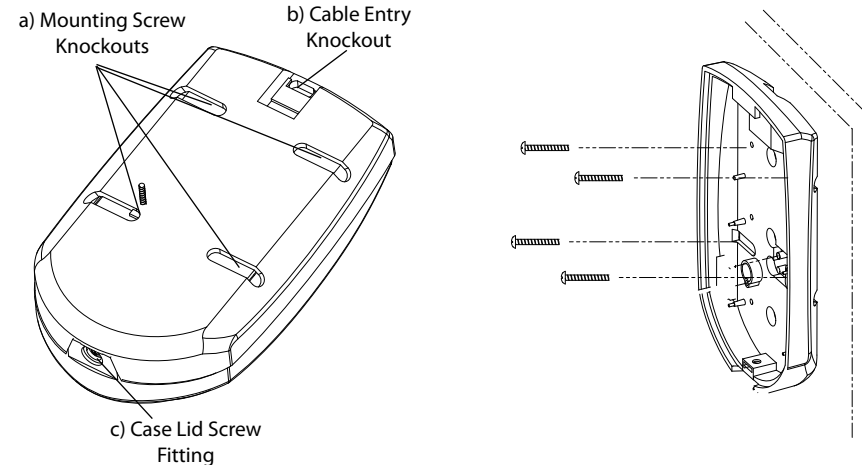
1: Disassembling the KX / Changing the Lens



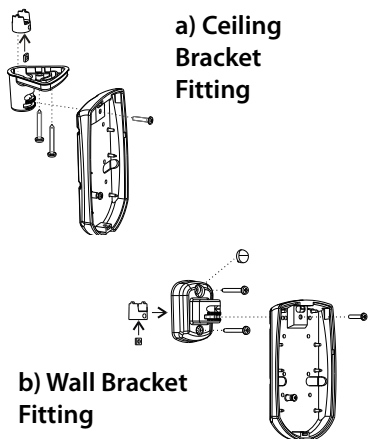
2: The Printed Circuit Board



3: Cable Entry + Mounting



4: Bracket Connections



5: Installation Hints

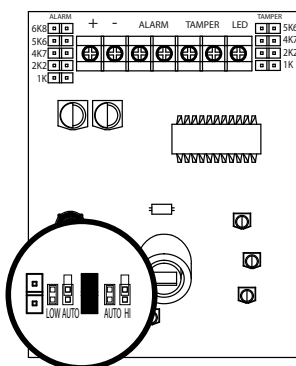
Do not partially or completely obscure the detector's field of view with large objects such as furniture.

Avoiding False Alarms

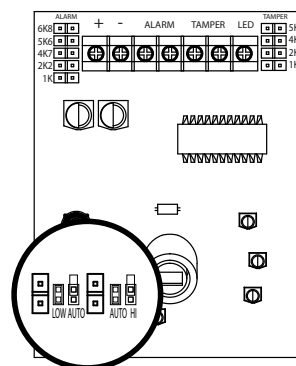
1. Avoid placing the detector in direct sunlight.
2. Do not let pets and other animals wander freely whilst the alarm system is armed.
3. Do not mount the detector near heaters or radiators.
4. Do not mount the detector near open windows or air vents as draughts may cause false alarms
5. Mount the detector on a stable surface.
6. Do not run cable parallel to mains wiring.

6: Sensitivity Settings

a) Auto Sensitivity (Default)



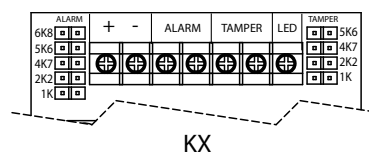
b) High Sensitivity



7: EOL Resistor Headers

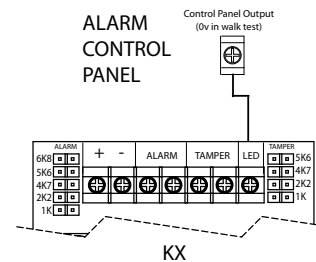
The KX18DC has 2 set of header pins at the top of the printed circuit board. These headers are used to select the End of Line resistance for EOL wiring applications.

If EOL wiring is not used, leave the headers OFF.



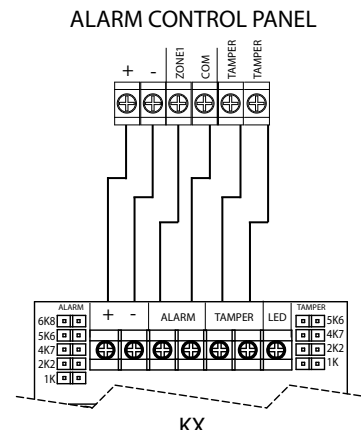
8: Remote LED Enable

The KX18DC has a terminal marked 'LED' which can be used to enable the LED in walk test only on an alarm control panel. This is used when the LED is disabled via the **LED ON/OFF link**. To enable this feature, the LED terminal needs to be connected to an output on the control panel. When the system is in walk test mode the output should be at 0v. The output would be usually programmed as 'Remote LED enable'.

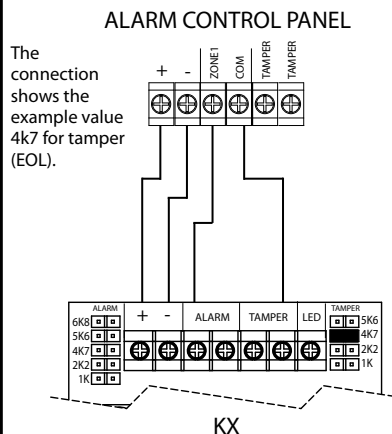


9: Choose the Connection Type:

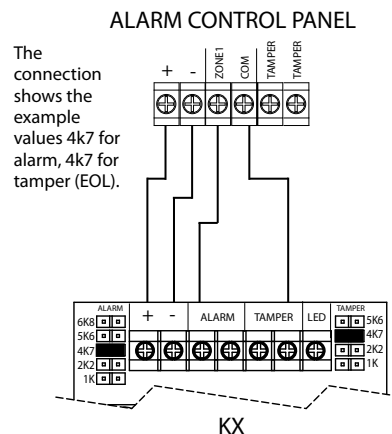
a) Normally Closed



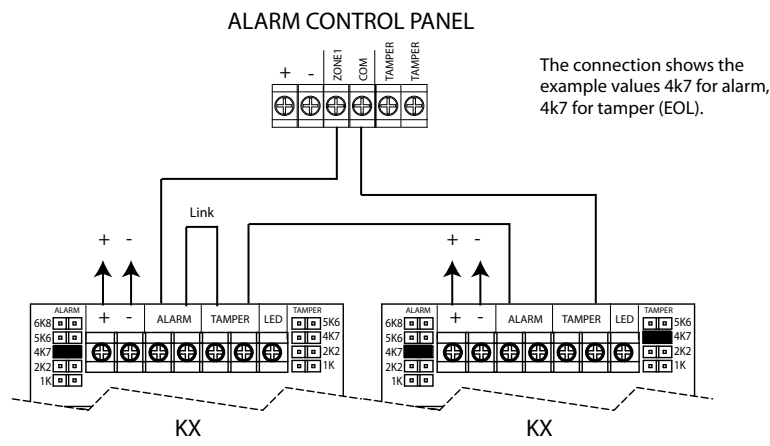
b) Single End of Line Wiring



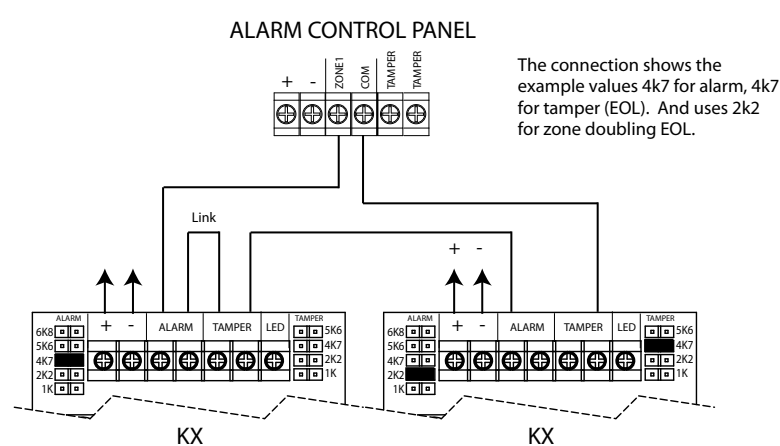
c) Double End of Line Wiring



d) Two Double End of Line Detectors to One Input

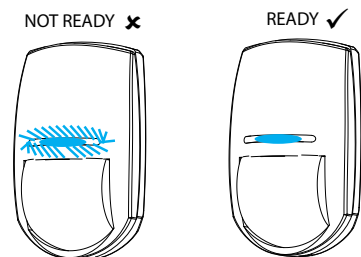


e) Zone Doubling Example (For Matrix 424, 832, 832+)

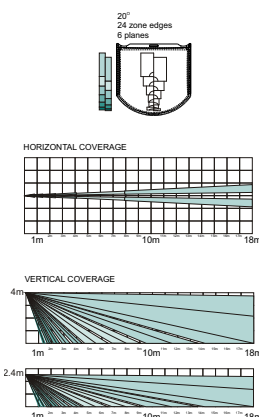


10: Powering Up

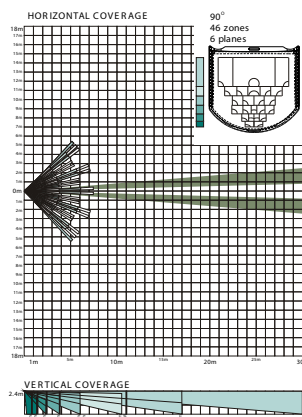
When the detector is first powered up, it will run through a self-test routine, indicated by the flashing BLUE LED. Once this has distinguished the detector is ready to use.



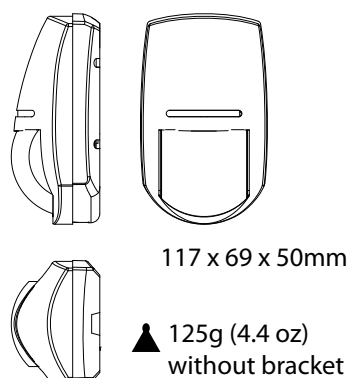
11: The 18m Curtain Lens



12: The 30m Curtain Lens



13: Dimensions and Weight



14: Technical Specification

Model: KX18DC
Colour: White
LED Colour: Blue (PIR)
Casing: 3mm ABS, 0.4mm HDPE in Lens Area
Detection Method: Low noise dual element pyroelectric sensor
PIR Sensitivity: Auto or High
Temperature Comp: Digital
Detection Range: 18m or 30m
Detection Speed: 0.3 - 3.0m/s
Operating Voltage: 9-16V DC 13.8V DC typical
Current Consumption: 13mA @ 12V (Min), 16mA @ 12V (Max)

Relay Output: 50mA 60 VDC, 42 VAC (RMS)
Contact Resistance: <10 ohms
Mounting Height: 1.8m - 2.4m
Tamper Switch: 12V 50mA
Storage Temp: -40°C to 80°C
Certified operating temperature: -10°C to 40°C
Nominal working temperature: -30°C to 70°C
Accessories: Wall and Ceiling brackets
Emissions: EN55022 Class B
Immunity: EN50130-4
Optional Lenses: 30m Long Range Lens

15: Compliance and Warranty



This product is approved for use in the Residential, Commercial and Light Industrial Environment. It complies with EN50131-2:2008 at security grade 2, environmental class 2. UK = Suitable for use with systems installed to PD6662:2010. EXPORT = Suitable for use with systems installed to EN50131-1:2006+A1:2009

WARRANTY: This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of five years. In the interest of continuing improvements of quality, customer care and design, Pyronix Ltd reserves the right to amend specifications without giving prior notice.

16: Contact Information

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