

| ТЕХНИЧЕСКИЕ ДАННЫЕ (КРАТКО) |  |
|-----------------------------|--|
| Модель:                     | <b>KX18EC</b>                            |
| Цвет:                       | Белый                                    |
| Корпус:                     | 3мм ABS пластик, линза 0,4мм ПЭНД        |
| Метод обнаружения:          | Двухплощадный пирозлектр. сенсор         |
| Чувствительность:           | Высокая (1 импульс), Низкая (2 импульса) |
| Термокомпенсация:           | Улучшенная автоматическая                |
| Дальность действия          | 18м                                      |
| Зона обнаружения:           | 24 рубежа                                |
| Скорость обнаружения:       | 0,3 - 3,0 м/с                            |
| Напряжение питания:         | 9 - 16В пост. тока                       |
| Ток потребления:            | 12мА @ 12В (мин.), 14мА @ 12В (макс.)    |
| Выход тревоги:              | 60В пост. тока, 50мА (42,4В перем. тока) |
| Высота установки:           | 1.8м - 4м                                |
| Выход самоохраны:           | 12В 50мА                                 |
| Температура хранения:       | -40°C to 80°C (-40°F to 176°F)           |
| Рабочая температура:        | -30°C to 70°C (-22°F to 158°F)           |
| Аксессуары:                 | Настенный и потолочный кронштейн         |
| Излучение:                  | EN55022 Class B                          |
| Помехоустойчивость:         | EN50130-4                                |
| Варианты линз (опция):      | 30м Коридорная                           |

**NOTE:** Maximum mounting height for long range lens is 2.4m.

|           |  |
|-----------|--|
| <b>A</b>  | ДИАГРАММЫ НАПРАВЛЕННОСТИ ЗОНЫ ОБНАРУЖЕНИЯ                                |
| <b>A1</b> | ОХВАТ ПО ГОРИЗОНТАЛИ   |
| <b>A2</b> | ОХВАТ ПО ВЕРТИКАЛИ   |
| <b>B</b>  | ВЕС И ГАБАРИТЫ   |
| <b>C</b>  | УСТАНОВКА  |
| <b>C1</b> | ВИНТ КРЕПЛЕНИЯ ЛИЦЕВОЙ ЧАСТИ   |
| <b>C2</b> | ВЫБИВНЫЕ ОТВЕРСТИЯ   |
| <b>C3</b> | МОНТАЖ НА СТЕНУ  |
| <b>C4</b> | СБОРКА НАСТЕННОГО КРОНШТЕЙНА   |
| <b>C5</b> | СБОРКА ПОТОЛОЧНОГО КРОНШТЕЙНА  |
| <b>D</b>  | ВНУТРЕННЯЯ КОМПОНОВКА ИЗВЕЩАТЕЛЯ   |
| <b>E</b>  | ПЕРЕМЫЧКИ ВЫБОРА НОМИНАЛА ОКОНЕЧНЫХ РЕЗИСТОРОВ                           |
| <b>E1</b> | КОРОТКОЗАМКНУТЫЙ ШЛЕЙФ (без оконечных резисторов)                        |
| <b>E2</b> | ШЛЕЙФ С 1-М ОКОНЕЧНЫМ РЕЗИСТОРОМ (например, резистор 4,7 кОм)            |
| <b>E3</b> | ШЛЕЙФ С 2-МЯ ОКОНЕЧНЫМИ РЕЗИСТОРАМИ (например, два резистора по 4,7 кОм) |
| <b>E4</b> | ПРИМЕР ШЛЕЙФА С УДВОЕНИЕМ ЛУЧЕЙ  |
| <b>E5</b> | ДВА ИЗВЕЩАТЕЛЯ В ОДНОМ ШЛЕЙФЕ С ОКОНЕЧН. РЕЗ.                            |
| <b>F</b>  | СБОРКА ЛИНЗЫ   |
| <b>G</b>  | 30м КОРИДОРНАЯ ЛИНЗА   |
| <b>G1</b> | ОХВАТ ПО ГОРИЗОНТАЛИ   |
| <b>G2</b> | ОХВАТ ПО ВЕРТИКАЛИ   |



**KX18EC<sup>®</sup>**  
18m Economy Curtain PIR Detector



## SPECIFICATIONS (QUICK REFERENCE)

|                            |   |
|----------------------------|---|
| Model:                     | <b>KX18EC</b>                               |
| Colour:                    | White                                       |
| Casing:                    | 3mm ABS, 0.4mm HDPE in Lens area            |
| Detection Method:          | Low Noise Dual Element Pyroelectric Sensor  |
| Sensitivity:               | High (Pulse Count 1), Low (Pulse Count 2)   |
| Temperature Compensation:  | Advanced Automatic                          |
| Detection Range:           | 18m   |
| Detection Zones:           | 24  |
| Detection Speed:           | 0.3 - 3.0 m/s                               |
| Operating Voltage:         | 9 - 16V DC                                  |
| Current Consumption        | 12mA @ 12V (Min), 14mA @ 12V (Max)          |
| Relay Output:              | SELV limits; 60V DC, 50mA (42.4V AC Peak)   |
| Mounting Height:           | 2m - 4m                                     |
| Tamper Switch:             | 12V 50mA                                    |
| Storage Temperature:       | -40°C to 80°C (-40°F to 176°F)              |
| Operating Temperature:     | -30°C to 70°C (-22°F to 158°F)              |
| Accessories:               | Wall and Ceiling Mounting Brackets Included |
| Emissions:                 | EN55022 Class B                             |
| Immunity:                  | EN50130-4                                   |
| Optional Lenses Available: | 30m Long Range                              |



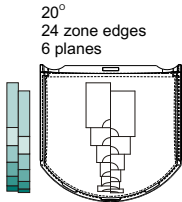
**EN50131-1**  
Security Grade 2  
Environmental Class 2

This product is suitable for use in systems designed to comply with PD6662:2004 at Security Grade 2 and Environmental Class 2.

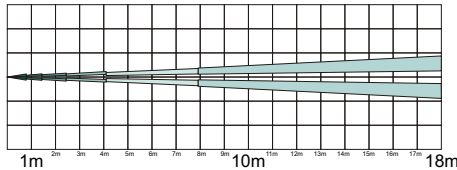
## AVOIDING FALSE ALARMS

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.

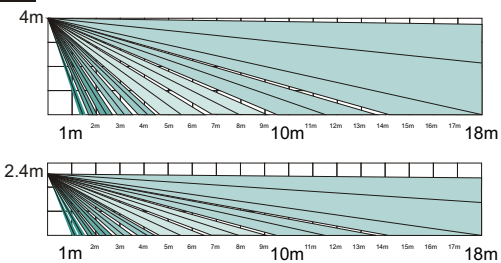
## A COVERAGE PATTERN AND PLAN VIEW



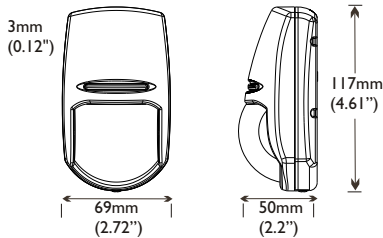
## A1 HORIZONTAL COVERAGE



## A2 VERTICAL COVERAGE



## B WEIGHT AND DIMENSIONS



= 105g (3.4 oz) without bracket



This product is approved for use in the Residential, Commercial and Light Industrial Environment.

Pyronix Limited, Pyronix House  
Braithwell Way, Hellaby,  
Rotherham, S66 8QY, UK

### 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 improvement of quality, customer care and design, Pyronix Ltd reserves the right to amend specifications, without giving prior notice.

Customer Support Line (UK only): 0870 122 3360  
This is a national rate line

email: [customer.support@pyronix.com](mailto:customer.support@pyronix.com)  
website: [www.pyronix.com](http://www.pyronix.com)

### C INSTALLATION

#### C1 CASE LID SCREW FITTING

### C2 CASING KNOCKOUTS

#### CABLE ENTRY KNOCKOUT

#### WALL FIXING KNOCKOUTS

### C3 WALL MOUNTING

**NOTE:**When mounting the detector, ensure that it is not tilting backwards.

### C4 WALL BRACKET FITTING

### C5 CEILING BRACKET FITTING

### D PHYSICAL LAYOUT

**EOL RESISTANCE HEADERS**

**SIGNAL PROCESSING SELECT**

**SENSITIVITY**

Header On = HIGH (Default)

Header Off = LOW

High Sensitivity - Default (Recommended setting for warm climates)

Low Sensitivity - (Recommended setting for cold climates)

**PYRO SENSOR**

**ALARM LED**

OFF ON (Default)

### E EOL RESISTOR HEADERS

The KX18EC has two sets of header pins on the PCB, one on either side of the connector blocks. 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.

The set to the left of the + terminal selects the value of the resistance across the ALARM relay. The set to the right of the TAMPER terminals selects the value of the End Of Line resistor.

If the resistance value you require is not selectable, leave the headers off and wire a resistor of the required value between the appropriate terminals as shown.

This symbol illustrates where the resistors are connected internally

### E1 NORMALLY CLOSED WIRING

### E2 SEOL HEADER EXAMPLE

### E3 DEOL HEADERS EXAMPLE

### E4 ZONE DOUBLING EXAMPLE

### E5 TWO DEOL DETECTORS TO ONE ZONE EXAMPLE

### F LENS ASSEMBLY

### G 30M LONG RANGE LENS

90° - 0 - 10m  
6° - 0 - 30m  
46 zone edges  
6 planes

### G1 HORIZONTAL COVERAGE

### G2 VERTICAL COVERAGE