

## PIR Motion Detector

### KB-P1

#### Wired PIR

| Software features          |                                              |
|----------------------------|----------------------------------------------|
| Arm modes                  | Away/Stay                                    |
| Hardware features          |                                              |
| Type                       | Wired                                        |
| Power                      | DC 10V~15V                                   |
| Sensor                     | Infrared                                     |
| Electrical characteristics |                                              |
| Working Current            | ≤150uA(Static current), ≤30mA(Alarm current) |
| Operation temperature      | -20 °C to +60 °C                             |
| Transmitted power          | 10mW                                         |
| Display                    |                                              |
| LEDs status                | Alarm, Fault, Battery low                    |
| General Specifications     |                                              |
| Dimensions (L x W x H)     | 130mm*64mm*43mm , ±1mm                       |
| material                   | Plastic                                      |
| Color                      | White                                        |
| Installation Height        | 2~2.2m                                       |
| Weight                     | 86.5 g                                       |
| Detective Angle            | 110°C                                        |
| Detective Distance         | 12m                                          |



### KB-PI2-W

#### Wireless PIR Motion Detector

| Detection Performance   |                                          |
|-------------------------|------------------------------------------|
| Detection Range         | 12m                                      |
| Detection Angle         | 110°                                     |
| Pet Immunity            | Up to 35kg                               |
| Sensitivity             | 3-Level Adjustable (via App)             |
| Detectable Speed        | 0.3 ~ 2 m/s                              |
| Detection Interval      | 30 ~ 180s Adjustable (Default: 60s)      |
| Wireless Specifications |                                          |
| Radio Frequency         | 868MHz                                   |
| Wireless Protocol       | FSK with Two-Way Communication           |
| Transmission Range      | Up to 800 meters (Open Area)             |
| Electrical & Power      |                                          |
| Power Supply            | Battery: DC 3V (1x CR123A)               |
| Battery Life            | Up to 5 Years (Based on 10 triggers/day) |
| Operating Current       | 50mA                                     |
| Static Current          | ≤ 30μA                                   |
| General Specifications  |                                          |
| Dimension               | 114.6 x 61.1 x 43.5 mm                   |
| Installation Method     | Wall-mount (Screws or 3M Tape)           |
| Tamper Alarm            | Supported                                |
| Operating Temperature   | -10°C ~ 55°C                             |
| Operating Humidity      | 5% ~ 95%RH (non-condensing)              |
| Compliance Standards    | CE                                       |



### KB-PO1-W

#### Wireless Outdoor Wide-Angle PIR

| Detection Performance  |                                                               |
|------------------------|---------------------------------------------------------------|
| Detection Method       | Dual-Technology (implied by 10.525 GHz spec)                  |
| Detection Range        | 16 meters                                                     |
| Detection Angle        | 90°                                                           |
| Pet Immunity           | ≤ 35 KG                                                       |
| Sensitivity            | 3 Levels Adjustable via App                                   |
| Electrical & Power     |                                                               |
| Power Supply           | Battery: 2 x CR123A                                           |
| Operating Voltage      | DC 3.0V                                                       |
| General Specifications |                                                               |
| Dimensions             | 153 x 80 x 58 mm                                              |
| Optimal Install Height | 2-2 meters                                                    |
| Installation Method    | Wall-mounted                                                  |
| Bracket Type           | Adjustable Bracket Included (180° Left-Right, 30° Top-Bottom) |
| Protection Class       | IP54 (Dust & Splash Resistant)                                |
| Operating Temperature  | -10°C ~ +55°C                                                 |
| Operating Humidity     | 5% ~ 95%RH (non-condensing)                                   |
| Compliance Standards   | EN 50131-2-4, CE                                              |



### KB-PC1-W

#### Wireless Curtain PIR Detector

| Detection Performance   |                                           |
|-------------------------|-------------------------------------------|
| Detection Range         | 12m(Wall-mounted)<br>8m (Ceiling mounted) |
| Detection Angle         | 15°                                       |
| Wireless Specifications |                                           |
| Radio Frequency         | 868MHz                                    |
| Wireless Protocol       | FSK                                       |
| Transmission Range      | 800m / 400m (Open area)                   |
| Electrical & Power      |                                           |
| Power Supply            | Battery: DC 3V (1x CR123A)                |
| Battery Life            | ~5 Years                                  |
| Operating Current       | 50mA                                      |
| Static Current          | ≤ 35μA                                    |
| General Specifications  |                                           |
| Dimensions              | 132 x 34 x 43 mm                          |
| Installation Method     | Wall-mounted or Ceiling-mounted           |
| Installation Height     | 2.4m (Wall) / 3.6m (Ceiling)              |
| Operating Temperature   | -10°C ~ 55°C                              |
| Operating Humidity      | 5% ~ 95%RH (non-condensing)               |
| Compliance Standards    | CE                                        |

