

## **DS-PDP18-EG2(B)** **Wired PIR Detector**



- Modern design - Delivers a small and sleek detection solution; providing a modern yet unobtrusive finish to complement any room.
- Detection range - Up to 18m volumetric detection coverage, the Ellipse is the ideal solution for any small to large indoor rooms and spaces.
- Digital temperature compensation – Digitally adjusts its sensitivity to maintain its specified range when the background temperature is close to body temperature.
- Automatic sensitivity - self-adapts to changing environmental conditions to maintain stability and intruder catch performance.
- 3D optics - Improves the detection of moving targets; ensuring more precise signals can be received from the PIR by enabling the perfect focusing of the infra-red signal onto the pyro-electric sensor.
- Creep-zone protection - covers the blind spot area directly below it, where an intruder may have otherwise avoided detection.
- Selectable EOL resistors - incorporates selectable alarm resistor values of 1K, 2K2, 4K7, 5K6 and 8K2, as well as tamper resistance values of 1K, 2K2, 4K7 and 5K6; catering for most control panels on the market.
- Wall and ceiling mount options - can be fitted at a mounting height of 1.8m to 2.4m . There is also a ceiling mount option available if required.
- Anti-insect interference - Protects the detector from possible insect infestation, as well as shielding air movement in front of its pyro-electric sensor and protecting against adverse reflections from inside the detector housing.
- Wide voltage - 9 to 16 V wide voltage adaptation with polarity reverse connection protection
- IFT technology - automatically adjust the upper and lower alarm trip thresholds when exposed to electromagnetic or electrical interference and shift the thresholds before the detector goes into false alarm.

## ▪ Specification

| Detection performance      |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| Detection Range            | 18m                                                                              |
| Detection Angle            | 85.9°                                                                            |
| Velocity range             | 0.3~2m/s                                                                         |
| Sensitivity adjustment     | high;auto;low                                                                    |
| Pet Immunity               | High(5KG);Auto(10KG);Low(15KG)                                                   |
| White Light Filter         | 6500lux                                                                          |
| Software features          |                                                                                  |
| Tamper-Proof               | Front                                                                            |
| Hardware features          |                                                                                  |
| Indicator                  | Blue(alarm)                                                                      |
| Electrical characteristics |                                                                                  |
| Power supply               | 12 VDC(standard)<br>9~16 VDC                                                     |
| Power Consumption          | 12mA (MAX)                                                                       |
| General                    |                                                                                  |
| Application scenario       | Indoor                                                                           |
| Dimension(WxHxD)           | 65.4mm × 86.8mm × 45.5mm                                                         |
| Weight                     | 68g                                                                              |
| Storage Temperature        | -20 °C to 60 °C (-4 °F to 140 °F)                                                |
| Operation temperature      | -10 °C to 55 °C (14 °F to 131 °F)<br>-10 °C to 40 °C (14 °F to 104 °F) Certified |
| Operation humidity         | 10% to 90%                                                                       |
| Installation height        | 1.8 to 2.4 m                                                                     |
| Bracket                    | Optional wall & ceiling accessory                                                |
| Shell material             | PC+ABS                                                                           |

## ▪ Available Model

DS-PDP18-EG2(B)

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## DS-PHA64-LP(B) AX HYBRID PRO



AX Hybrid Pro control panel is a wired intrusion control panel with wireless detectors & peripherals access capability. It is the first control panel that supports Speed-X bus, which is a creative technology and is used to transmit verification video/picture from PIR-CAM. Besides, this hybrid control panel supports customized voice library, which is designed for users to upload customized voice files. These voice files will be played via alarm phone call when alarm triggered. As for basic functions, it supports Wi-Fi, TCP/IP and GPRS/3G/4G communication methods. It also supports Hik-ProConnect, Hik-Connect, Hik IP Receiver, Hik IP Receiver Pro and Hik-Central, which is applicable to the scenarios of market, hotel, supermarket, warehouse, office, house (especially with cables pre-installed), etc.

- Hybrid system: 8 on-board zones and 56 wired/wireless zones expandable; 4 on-board outputs (2 relay outputs and 2 I/O outputs) and 60 wired/wireless outputs expandable
- Dual-path communication of alarm events and other signals over LAN, PSTN, Wi-Fi, GPRS or 3G/4G utilizing a main and backup channel with configurable priority
- 4-ch onboard IP Camera video verification, supports video recording (5s pre-alarm + 2s post-alarm, or 2s pre-alarm + 5s post-alarm) for verification to the alarm receiving email or mobile client
- Supports arming/disarming via keypad, keyfob, mobile client, iVMS-4200, SMS and tag
- Pushes alarm notification via messages and Hik-Connect
- Supports ISAPI, Cloud P2P, ISUP, CSV-IP and DC-09 protocol
- Supports 1 Speed-X BUS

## ▪ Specification

| Software features          |                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zones                      | 64 (8 On-board zones, max 8 wired PIRCAM)                                                                                                                                                                    |
| Area                       | 32                                                                                                                                                                                                           |
| User                       | Installer: 1<br>Administrator: 1<br>Operator: 62                                                                                                                                                             |
| SMS notification           | Support (with GPRS/3G/4G module)                                                                                                                                                                             |
| Onboard video clips        | 4                                                                                                                                                                                                            |
| ARC protocol               | ISAPI: Supports iVMS-4200 client software and web client<br>Cloud P2P: Supports cloud P2P privacy protocol<br>DC-09: ARC accessible (ADM-CID/SIA-DCS )<br>CSV-IP: Supports CSV-IP<br>ISUP: Supports ISUP 5.0 |
| Programming tools          | Web/iVMS-4200/Hik-ProConnect/Keypad                                                                                                                                                                          |
| Firmware upgrade           | Web/iVMS-4200/Hik-ProConnect/Hik-ProConnect                                                                                                                                                                  |
| End of Line Resistance     | Support 1K, 2.2K, 4.7K, 5.6K, 6.8K, 8.2K                                                                                                                                                                     |
| Hardware features          |                                                                                                                                                                                                              |
| Alarm input                | 64 (Including 8 on-board zones)                                                                                                                                                                              |
| Alarm output               | 64 (Including 2 on-board relay outputs and 2 on-board I/O outputs)                                                                                                                                           |
| Power Output               | 1. Bell: maximum 12V 1.2A<br>2. AUX: maximum 12V 1.5A<br>3. Bell and AUX maximum 12V 2.1A                                                                                                                    |
| 3/4G on board              | Optional                                                                                                                                                                                                     |
| GPRS on board              | Optional                                                                                                                                                                                                     |
| Wi-Fi                      | 802.11b/g/n (2.4GHz)                                                                                                                                                                                         |
| Bus                        | 1 Speed-X bus                                                                                                                                                                                                |
| Sounder output             | 1 Wired on-board sounder output                                                                                                                                                                              |
| Tamper-Proof               | 1 switch to detect removal from mounting<br>1 switch to detect front cover open                                                                                                                              |
| Netowrk interface          | 1 RJ45 10M/100M Ethernet interface                                                                                                                                                                           |
| Electrical characteristics |                                                                                                                                                                                                              |
| Power interface            | 100 to 240 VAC (on-board power transformer)                                                                                                                                                                  |
| Power Consumption          | 1. 220V power supply<br>① With an alarm: 2A, 32W<br>② Without an alarm: 250mA, 4W<br>2. 13.5V battery supply<br>① With an alarm: 1.7A, 25W<br>② Without an alarm: 200mA, 2.7W                                |
| Battery type               | Lead acid battery (12V 7Ah, battery is not included by default)                                                                                                                                              |
| Battery life span          | Up to 36hrs                                                                                                                                                                                                  |

| Display               |                                                                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator             | 4 On-board LEDs:<br>① 1 AC power LED indicator (Green)<br>② 1 System status LED indicator (Green/Red)<br>③ 1 PSTN status LED indicator (Green/Red)<br>④ 1 Mobile communication status LED indicator (Green/Red) |
| General               |                                                                                                                                                                                                                 |
| Operation temperature | -10°C to 40°C                                                                                                                                                                                                   |
| Operation humidity    | 10% to 90%                                                                                                                                                                                                      |
| Shell material        | Plastic                                                                                                                                                                                                         |
| Color                 | White                                                                                                                                                                                                           |
| Dimension(WxHxD)      | 261 mm × 199 mm × 86.4 mm                                                                                                                                                                                       |
| Weight                | 997 g                                                                                                                                                                                                           |
| Device management     |                                                                                                                                                                                                                 |
| Tag                   | 64                                                                                                                                                                                                              |
| Keyfob                | 64                                                                                                                                                                                                              |
| Keypad                | 8                                                                                                                                                                                                               |
| Wireless sounder      | 16                                                                                                                                                                                                              |

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## DS-PK1-LRT-HWE/DS-PK1-LRT-HWB

### Wired keypad



The DS-PK1-LRT-HWE/DS-PK1-LRT-HWB wired keypad is an AX series keypad designed for AX hybrid pro control panel (DS-PHA48-EP, DS-PHA64-LP). The DS-PK1-LRT-HWE/DS-PK1-LRT-HWB supports built-in wireless transceiver and tag reader, which can work with keyfob and tag for arming/disarming.

- LCD screen display
- Supports one-touch arm (Arming without password)
- Supports fire/panic/medical alarm key
- Supports company name, phone number, time display
- Supports 2 on-board alarm inputs and 1 on-board alarm output
- Supports maximum 64 keyfobs



## ▪ Specification

| Hardware features          | DS-PK1-LRT-HWE                                                                                                                                                                                                 |                                                                      | DS-PK1-LRT-HWB |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|
| Tag reader built in        | 1 built-in tag reader                                                                                                                                                                                          |                                                                      |                |
| Serial port                | 1 TTL serial port                                                                                                                                                                                              |                                                                      |                |
| Tamper-Proof               | 1 back-cover tamper-switch (Will be damaged when tamper triggered)                                                                                                                                             |                                                                      |                |
| Buzzer                     | 1 on-board buzzer                                                                                                                                                                                              |                                                                      |                |
| Function key               | 8 Function keys: Query, away arm, stay arm, disarm, alarm output, project, left, right                                                                                                                         |                                                                      |                |
| RS-485                     | 1 RS-485                                                                                                                                                                                                       |                                                                      |                |
| Alarm input                | 2 on-board alarm inputs                                                                                                                                                                                        |                                                                      |                |
| Alarm output               | 1 on-board alarm output                                                                                                                                                                                        |                                                                      |                |
| Electrical characteristics |                                                                                                                                                                                                                |                                                                      |                |
| Power supply               | DC 12 V                                                                                                                                                                                                        |                                                                      |                |
| Power consumption          | Quiescent consumption: 0.984W @12 VDC power supply with 82mA current                                                                                                                                           | Quiescent consumption: 0.972W @12 VDC power supply with 81mA current |                |
|                            | Max consumption: 1.32W @12VDC power supply with 110mA current                                                                                                                                                  | Max consumption: 1.33W @12VDC power supply with 111mA current        |                |
| Wireless transmission      |                                                                                                                                                                                                                |                                                                      |                |
| RF frequency               | 868 MHz                                                                                                                                                                                                        | 433 MHz                                                              |                |
| Display                    |                                                                                                                                                                                                                |                                                                      |                |
| Numeric key                | 0 to 9 , * , #                                                                                                                                                                                                 |                                                                      |                |
| Display screen             | LCD screen                                                                                                                                                                                                     |                                                                      |                |
| Indicator                  | 4 indicators and 1 backlight:<br>(1) Power: Green<br>(2) Faults: Fault-Orange / Alert-Flashing orange / Find me mode-flashing green<br>(3) Armed: Blue<br>(4) Alarm: Red<br>(5) Keypad button backlight: White |                                                                      |                |
| General                    |                                                                                                                                                                                                                |                                                                      |                |
| Dimension(W×H×D)           | 150 mm × 115 mm × 28 mm                                                                                                                                                                                        |                                                                      |                |
| Color                      | White                                                                                                                                                                                                          |                                                                      |                |
| Operation temperature      | - 10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                             |                                                                      |                |
| Operation humidity         | 10% to 90%                                                                                                                                                                                                     |                                                                      |                |
| Device management          |                                                                                                                                                                                                                |                                                                      |                |
| Keyfob                     | 64                                                                                                                                                                                                             |                                                                      |                |

## ▪ Available Model

DS-PK1-LRT-HWE

DS-PK1-LRT-HWB

Distributed by

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# Indoor Audible Alarm

PS209-R

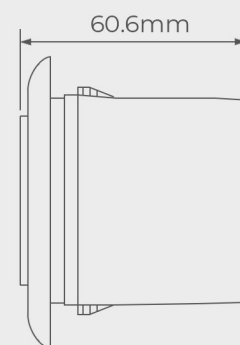
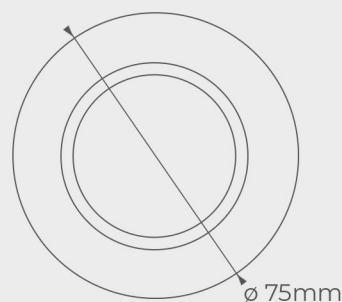
Flush mount 12V/DC piezo for domestic use



## Specifications

- 12V / DC 150mA
- Flush mount installation, low profile
- Volume rating: 114dB
- Hole cut-out  $\varnothing$  54mm
- Colour: white
- Discrete design
- Compatible with EliteControl systems

## Dimensions



2 Year

Warranty