

## DS-PWA64/96 AX PRO

AX PRO supports Wi-Fi, TCP/IP, and GPRS/3G/4G communication methods. It also supports ISAPI, Hik-Connect, and DC-09, which is applicable to the scenarios of market, store, house, factory, warehouse, office, etc.



### Key Feature

- TCP/IP, Wi-Fi, and GPRS/3G/4G network
- New generation wireless protocol: Tri-X
- Long RF transmission distance
- Two-way communication with AES-128 encryption
- Connects up to 96 wireless zones/outputs, 48 wireless keyfobs, 4 repeaters, 6 sounders, 8 tag readers & keypads, and PIRCAM.

The capability varies according to the model of device.

- Supports up to 48 network users, including 1 installer, 1 administrator, and 46 normal users
- Voice prompt
- Configuration via Web client, mobile client, and Convergence Cloud
- Hik-Connect and Hik-ProConnect configuration depends on the user access level
- Pushes alarm notification via messages or phone calls
- Views live videos from Hik-Connect
- Alarm video clips via emails and APP
- Uploads alarm reports to ARC
- Supports LED indicator to indicates system status
- 4520 mAh lithium backup battery
- SIA-DC09 protocol, and supports both Contact ID and SIA data format

### Available Model

- DS-PWA96-M-WE
- DS-PWA64-L-WE



## Specification

		AX PRO L	AX PRO M
Basic	Frequency	868Mhz	
	Wireless type	2-way wireless	
	Wireless Security	Frequency Hoping 128 AES Encryption	
	Wireless Zones	Up to 64	Up to 96
	Wireless Outputs		
	Wireless Tag Readers & Keypads	Up to 8	
	Wireless Sounders	4	6
	Wireless Keyfobs	32	48
	Wireless Repeaters	2	4
	Tags	32	48
	PIRCAM	Supported	
	Onboard IP CAMERA Integration	0	4*7s clips 4 clips have their own storage, not overrides each other
User	Installer	1	
	Admin	1	
	Users	30	46
Key Software Features	Areas	16	32
	Voice prompt	Supported	
	Loudspeaker built in	Supported	
	Tag reader built in	N/A	Supported
	LEDs Status	Arm/Disarm, Alarm, Tamper, Fault, Cloud, Power	
	Memory Log stored	5000	
	RS-232 output	Supported	
	Programming tools	Hik-Connect/Hik-ProConnect/Web Portal/ IVMS4200/ Convergence Cloud	
	Firmware upgrade	APP Auto/Manual	
	Arm Modes	Away/Stay	
	Automatic Arm/Disarm Timers	Supported	
	Forced Arming with Open Zones	Supported	
Diagnostics of via the APP or Web	Supported		
Communication	LAN port	Supported	
	Wi-Fi on board	Supported(2.4G)	
	GPRS on board	Supported	N/A
	3/4G on board	N/A	Supported

	SIM slot	Single	Dual
	SMS notification	Supported	
	Alarm voice call	Supported	
	ARC protocol	SIA DC09(SIA level 2, Contact ID), ISUP, ISAPI (SDK)	
	User APP for operating	Supported	
	Installer APP for programming	Supported	
	Web server for maintenance (offline configuration)	Supported	
Hardware	Battery Stand by	12 hours	
	Power Supply	Built in power supply	
	Battery pack	Built in on board Battery Li	
	Housing	Plastic	
Automation	Schedules	Wall switch & Relay & Plug (Has time schedule)	
Approvals	EN	EN50131 Grade 2	
	CE	Supported	
	Rohs/Reach/WEEE	Supported	
Others	Operation temperature	-10 °C to +55 °C	
	Dimension(W x H x D)	170.0 mm (6.7") x 170.0 (6.7") mm x 38.6 mm (1.5")	
	Weight	557.5 g(19.7 oz)	

## DS-PDP15P-EG2-WE Wireless PIR Detector

DS-PDP15P-EG2-WE is a fully supervised two-way wireless detector featuring motion detection, tamper protection, low battery and supervision. It can operate for up to 5 years from an in-built battery, and monitors the area within 15 m radius, ignores animals while recognizing human from the first step.

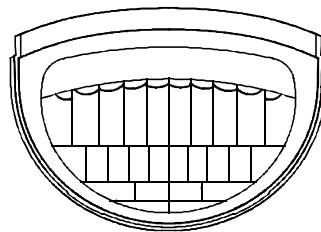
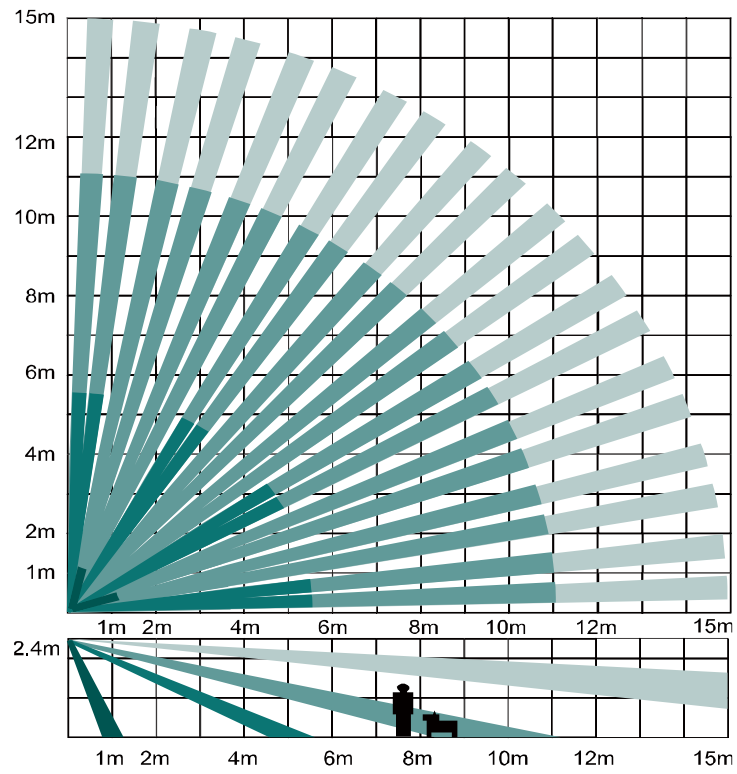


### Key Features

- SEC (Smart Environmental Control) - Advanced digital signal processing and 3D optics
- Fully remote configurable through App
- Multiple enrollment method and easy installation design
- Easy replaceable battery with PCB protected
- Frequency hopping against jamming for reliable transmission



## Lens Diagram



(a) Detection Range  
 85.9°  
 52 zones  
 4 planes

## Available Model

DS-PDP15P-EG2-WE

## Specification

### DS-PDP15P-EG2-WE

Technical characteristics	Detection range	15m
	Coverage angle	85.9°
	Detection speed	0.3 to 2 m/s
	Auto sensitivity	Supported
	Pet immunity	Up to 30Kg
	Digital temperature compensation	Supported
	Technology	Digital microprocessor based
	Sealed optics	Supported
	Creep zone protection	Supported
	Direct light filter	6500 lux
	Tamper protection	Front & Back
	LED indicator	Alarm (blue)
Encapsulated PCB	Supported	
Wireless technical characteristics	Wireless technology	Tri-X Wireless Technology
	Environment temperature Indicator	Supported
	2-way wireless communication	Supported
	Transmission frequency	868 MHz
	Frequency hopping	Multichannel transmission
	Transmission encryption	AES-128 encryption
	Signal strength indicators	Supported
	RF range	1600m (open area)
Electrical and battery	Enrolling methods	Power up, Remote ID, QR code
	Battery	CR123A x 1 (included)
Environmental and operating features	Standard battery life	5 years
	Operating temperature	-10 °C to 55 °C (14 °F to 131 °F)
	Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Operating humidity	10% to 90%
	Dimension (W× H × D)	65.5 mm (2.58 ") × 103mm (4.06 ") × 48.5 mm (1.91 ")
Mounting	Weight	128g (4.5 oz)
	Bracket	Optional wall & ceiling accessory
	Installation height	1.8 m to 2.4 m

## DS-PKF1-WE Wired Keypad

DS-PKF1-WE series keyfob supports instant operation of stay/away arming and disarming. It is a part of security control system.



### Features

- Operation: stay/away arming and disarming
- Tamper-proof
- Keyfob lock and unlock function
- Fully remote configurable through App
- Multiple enrollment method and easy installation design
- Easy replaceable battery with PCB protected
- Frequency hopping against jamming for reliable transmission

### Available Models

DS-PKF1-WE



## Specifications

DS-PKF1-WE		
RF	Speed	4.8 Kbps
	Frequency	868 MHz
	Modulation	2GFSK
	Distance	900 m (open area)
	Power	10 dbm
Interface & component	Indicator	Three-color LED
	Key	4
Electrical & battery	Min. operation voltage	2.1V +/- 5%
	Battery type	CR2032 x 1 (included), 3V
	Battery life span	Standby time more than 3 years
	Operation humidity	10% to 90% (No condensing)
Others	Operation temperature	-10 °C to +55 °C (-4 °F to +122 °F)
	Color	White
	Material	Panel (plastic)+ gasket(rubber)
	Dimension (W x H x D)	35.2 (1.39")mm x 63.2 (2.49") mm x 11.3 (0.45")mm
	Weight	16 g (5.64 oz)



## DS-PDMC-EG2-WE Wireless Magnet Detector

DS-PDMC-EG2-WE is a wireless opening detector that notifies of first signs of room intrusion by means of a broken door or window. It can be mounted on all types of doors including metal base and the onboard inputs will allow user to extend applications by wiring to different wired sensors.



### Key Features

- Slim design for an unobtrusive (unnoticeable) installation
- Fully remote configurable through App
- Multiple enrollment methods and easy installation design
- Frequency hopping against jamming for reliable transmission

### Detection Gap

Table 1.

Axes of Operation	Event	Without Nominal Distance	With Nominal Distance 5 mm
		Distance in Air	Distance in Air
X+	Remove	11	13
	Approach	15	17
X-	Remove	11	13
	Approach	15	19
Y	Remove	33	28
	Approach	28	23
Z+	Remove	43	42
	Approach	40	38
Z-	Remove	37	35
	Approach	32	30

### Available Model

DS-PDMC-EG2-WE



## Specification

DS-PDMC-EG2-WE		
Technical characteristics	Reed switch	1
	External zones	2
	Zone options	Normal and fast sensitivity with pulse count
	Programmable pulse count	Supported
	Fast zone sensitivity	1ms
	Normal zone sensitivity	300ms
	Tamper protection	Front and back
	LED indicator	Alarm (blue)
	Encapsulated PCB	Supported
Wireless technical characteristics	Wireless technology	Tri-X Wireless Technology
	Two-way wireless communication	Supported
	Transmission frequency	868 MHz
	RF range	1600m (open space)
	Transmission encryption	AES-128 encryption
	Enrolling methods	Power up, remote ID and QR code
	Frequency hopping	Multichannel transmission
	Signal strength indicators	Supported
	Environment temperature indicator	Supported
Electrical and battery	Battery	CR123A x 1 (included)
	Standard battery life	5 years
Environmental and operating features	Dimension (W × H × D)	22.5mm × 103mm × 23.2mm 13mm × 34.4mm × 11.4mm
	Weight	59g
	Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Operating temperature	-10 °C to 55 °C (14 °F to 131 °F)
	Operating humidity	10% to 90%

## DS-PS1-E-WE Wireless External Sounder

The wireless external sounder, supporting 868 Mhz wireless communication, Tri-X wireless protocol, multiple enrollment methods, two-way wireless communication, multiple alarm sounds, and strobe light indication, is used for instant alarm alerting.



### Key Features

- 868 MHz two-way wireless communication
- 3 years battery life span (triggered every two weeks and alerting 90 s for each triggering)
- AES-128 encryption
- Front and rear panel tamper-proof
- 3 kinds of alarm sounds: fire alarm, panic alarm, and intrusion alarm
- Buzzer Decibel: 110 dB
- Fully remote configurable through App
- Multiple enrollment methods and easy installation design
- Frequency hopping against jamming for reliable transmission
- IP65 protective level

### Available Model

- DS-PS1-E-WE



**DS-PS1-E-WE**

RF	Frequency	868 MHz
	Modulation	2GFSK
	Method	Two-way communication
	RF encryption	AES-128
	RF distance	1.6 km (open area)
Electrical & battery	Power	Battery (default power supply method) or 12 VDC
	Consumption	Static consumption: 30 to 40uA
	Battery life span	4 CR123A, 3 years in work status (triggered every two weeks and alerting 90 s for each triggering)
	Power switch	Supported
Interface and component	Tamper switch	Supported, Front and rear tamper-proof
	Indicator	Indicator: Red/Green Strobe light: Red/Blue(white on the board)
	Buzzer	Decibel: 110 dB
	Operation temperature	-20 °C to 60 °C (-4 °F to 140 °F)
General	Operation humidity	10% to 90% (no condensing)
	Color	White
	Material	PC+ABS
	Dimension (W × H × D)	190× 200 × 47.3mm (.748" ×7.87" × 1.86" )
	Weight	606.5 g (21.4 oz)
	Protection level	IP65
	Installation	Wall mounting