

## Wireless 2-Way PIR/PET Detector Installation Instructions



**Model:**  
DPS743 / DPS786  
DPP743 / DPP786

| Step 1a: Preliminary Considerations | Step 1b: Coverage Patterns |                 |
|-------------------------------------|----------------------------|-----------------|
| <p>Figure 1</p>                     | <p>Figure 2</p>            | <p>Figure 3</p> |

| Step 3: Mount the Detector on the Wall Bracket |                 |                 | Step 4: Dip Switch Settings | Step 5: Inserting Battery |
|------------------------------------------------|-----------------|-----------------|-----------------------------|---------------------------|
| <p>Figure 4</p>                                | <p>Figure 5</p> | <p>Figure 6</p> | <p>Figure 7</p>             | <p>Figure 8</p>           |

| Step 6: Mount the detector on the bracket | Walk Test        |  |
|-------------------------------------------|------------------|--|
| <p>Figure 9</p>                           | <p>Figure 10</p> |  |

### 1) Description

The Wireless DPS/DPP PIR/PET is a stylish wall mounted passive infrared detector.

#### Features include:

- Selectable range of up to 10m in PIR ver. or 8m in PET ver.
- Easy battery replacement

#### What's in the box:

- Wireless DPS/DPP PIR/PET Detector
- Screws Kit: 1 screw  $\phi 2.5 \times 6$  mm; 2 screws  $\phi 3.5 \times 25$  mm
- Installation Instructions

### 2) Installation

#### Step 1a: Preliminary Considerations

Select the mounting location for best coverage of the area that is to be protected. Install the device in a location where the detector's field of view is clear of any static obstacle. Please note that walking direction must cut across the beam pattern (see Figure 1).

**Step 1b: Coverage Patterns** (see Figures 2 and 3)

#### Step 2: Enrolling the Detector into the System

For complete description of the wireless configuration and device enrollments, refer to Programming Guide for the FORCE and VISION Alarm Systems

Enrollment of the detector in the system can be performed manually or automatically via the keypad.

**Important Note:** Verify that SW1 is set to ON (defines the detector as 2-way). See Figure 7.

#### Auto Enrolling (using RF Communication):

1. Enter Installer menu, and select: System Configuration > Peripherals > Wireless Peripherals > Enroll and delete > Detectors > Enroll > Auto Enrollment
2. Insert the batteries and close the bracket
3. In 3 seconds the detector will send an Enrollment message. The serial number should appear on the keypad.
4. Select Enroll and press  $\leftarrow$ .

### Manual Enrolling:

1. Enter Installer menu, and select:  
System Configuration >  
Peripherals > Wireless  
Peripherals > Enroll and delete  
> Detectors > Enroll > Manual  
Enrollment
2. Enter the serial number and  
press ↵.
3. Select Enroll and press ↵.

### Enrolling through the Force Manager Software:

You can enroll the detector using Force Manager software; For information refer to the Force Manager Manual.

### Step 3: Mount the Detector on the Wall Bracket

Mount the detector at a height of 2.4 m. (see Figures 4 to 6).

### Detector Configuration

Being 2-way, the detectors parameters can be modified from the keypad or from the Force Manager software according to your needs.

|                         |          |
|-------------------------|----------|
| <b>PIR Sensitivity:</b> | High/Low |
| <b>LED:</b>             | On*/Off  |

### Step 5: Inserting Battery (see Figure 8)

**CAUTION!**  
The detector battery may be supplied with plastic wrapping. If so, remove the plastic wrapping from the battery before installation.  
Observing battery polarity. Insert a battery into the compartment.  
Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulation.

### Step 6: Mount the detector on the bracket (see Figure 9)

### 3) Walk Test

The detector automatically enters walk test mode for 10 minutes following tamper closure. Walk through the entire protected area and observe the LEDs to confirm full coverage (see LED Status). When complete, secure the detector with screw (see Figure 10).

### Manually initiate a Walk-Test

In the Installer menu, select *Test and Diagnostic > Walk test*. Select *All* or *Single zone*.

The detector(s) remain in walk test mode until exiting the menu.

### 4) LED Status

| LED | State    | Description |
|-----|----------|-------------|
| Red | On       | Alarm       |
|     | Flashing | Low Battery |

### 5) Technical Specifications

| Parameter              | Description                                                                               |
|------------------------|-------------------------------------------------------------------------------------------|
| Current Consumption:   | 10µA standby                                                                              |
| Supervision Time       | 1-Way: 15 min.<br>(868MHz);<br>65 min.<br>(433MHz)<br>2-Way: 15 min.                      |
| Battery Type           | CR123 3V<br>Lithium Battery                                                               |
| Battery Life           | 3 years typical                                                                           |
| Low Voltage Threshold  | 2.6V                                                                                      |
| Power Output           | 10mW                                                                                      |
| Operating temperature: | -10°C to 55°C<br>(14°F to 131°F)                                                          |
| Storage temperature:   | -20°C to 60°C<br>(-4°F to 140°F)                                                          |
| Humidity Range         | Average relative humidity: 75%                                                            |
| Weight                 | 100gr.                                                                                    |
| Dimensions             | 102.5 x 40.5mm                                                                            |
| Frequency              | 433.92MHz,<br>868.65MHz                                                                   |
| Standards              | EN50131-2-2<br>Grade 2,<br>Environmental Class II,<br>EN50131-6:<br>Type C<br>PD6662:2017 |

### 6. Ordering Information

| Model        | Frequency | P/N     |
|--------------|-----------|---------|
| DPS743 (PIR) | 433MHz    | 8841210 |
| DPS786 (PIR) | 868MHz    | 8841211 |
| DPP743 (PET) | 433MHz    | 8841212 |
| DPP786 (PET) | 868MHz    | 8841213 |

### UKCA and RED Compliance Statement:

Hereby, PIMA declares that this equipment is in compliance with the essential requirements of the UKCA Radio Equipment Regulations 2017 and CE Directive 2014/53/EU.  
For the UKCA and CE Declaration of Conformity please refer to our website: [www.pima-alarms.com](http://www.pima-alarms.com)

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