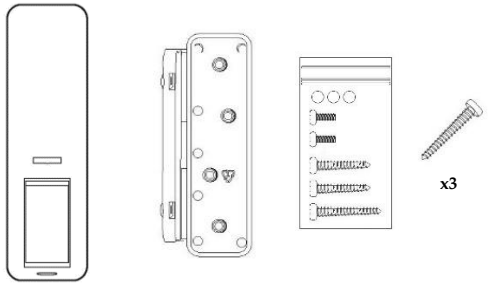
Wireless Outdoor DT Curtain Detector Installation Instructions

Model: DCD743 / DCD786

What's in the box



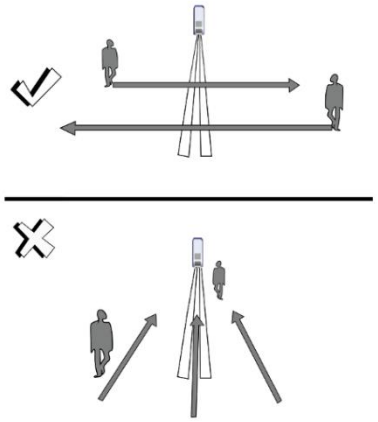
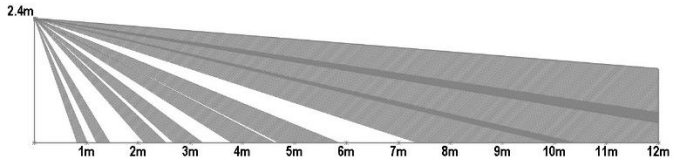
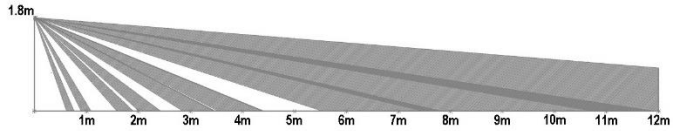


Figure 1

Curtain – Side View





Curtain – Top View

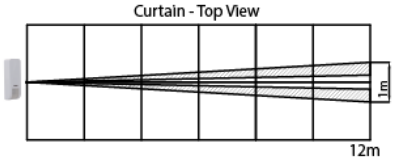
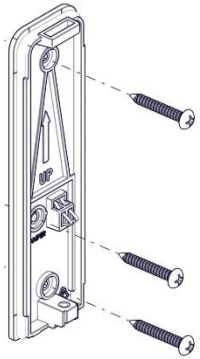


Figure 2

Figure 3



OR

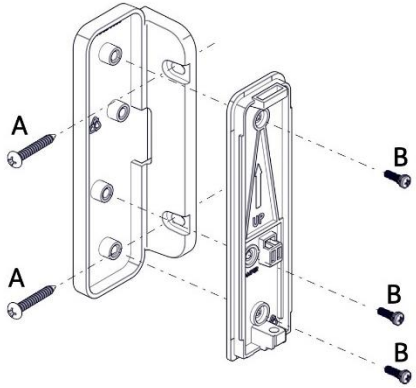


Figure 4a **Figure 4b**

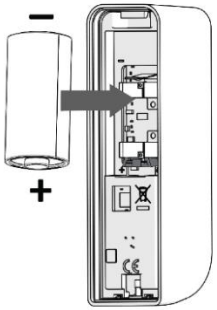


Figure 5

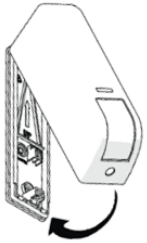


Figure 6

Figure 7

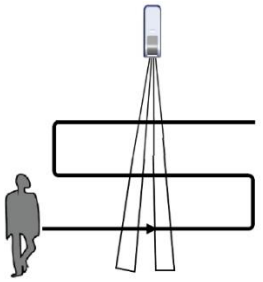


Figure 8

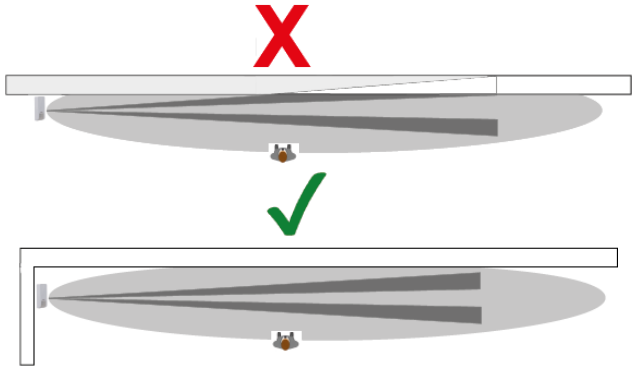


Figure 9

1. Description

PIMA 2-Way Outdoor DT Curtain detector provides enhanced 24-hour outdoor protection, with Active IR Anti-mask, Integrated Dual Technology that combines K-Band microwave with PIR sensor and light sensor to minimize false alarms.

The Wireless Outdoor DT Curtain detector operates with *VISION* and *FORCE*.

Features include

- Selectable detection coverage of up 12m, 5°
- K-Band Microwave detection
- Light sensor for reducing false alarms due to sunlight
- Active IR Anti-mask (with automatic calibration)
- Various mounting heights 1.8-3m
- Designed for outdoor installation, UV resistance, IP 65
- Tamper protection

2. Installation

Step 1: Prelimlinary Considerations

Select the mounting location for best coverage of the area that is to be protected. Avoid pointing the detector in the direction of moving objects (such as, swaying trees, vehicles, and bushes). (See Figures 1 and 9)

Step 2: PIR Coverage Pattern

(see Figure 2)

For optimal detection results, install the detector at a height of 2.4 m

Step 3: Inserting the Battery

(See Figure 5)

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 4: Enrolling the Detector in 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 Curtain module in the system can be performed manually or automatically via the keypad.

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 (see step 5). In 3 seconds the Curtain detector will send an Enrollment message. The serial number should appear on the keypad.
3. Select Enroll and press ⏎.

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 5: Mounting the Detector on the Wall

(See Figures 4a, 6 and 7)

Step 6: Mounting the Detector with Bracket (See Figures 4b 6 and 7)

Step 7: Detector Settings

The following parameters can be defined from the system receiver:

Parameter	Options
LED	Yes/No
Antimask	Yes/No
Detection mode	Normal (2.5min)/Fast
PIR sensitivity	Low/Mid/High/Max
MW range	Min/25/50/65/85/Max

Step 8: Anti-mask Calibration (when enabled)

The duration of the Anti-mask calibration is two minutes. During this period of time, the lens must be kept clear of any objects.

Anti-mask calibration procedure:

a. Close the tamper.

b. Enable the anti-mask from panel.

At the end of the two-minute period, the Anti-mask will operate automatically.

3. Walk Test

The detector automatically enters walk test mode for 10 minutes following tamper closure. Walk through the entire protected area (see Figure 8) and observe the LEDs to confirm full coverage (see LED Status). When complete, secure the detector with screw (see Figure 7).

Manually initiate a Walk-Test

Select Installer Menu: Test and Diagnostic > Zones Test. Select Single Zone or All Zones. The detector remains in walk test mode until any key on the panel is pressed.

4. LED Status

LED	State	Description
Red	Blinks once	Alarm
	Blinks 3 times	Low battery
Green	Blinks once*	Microwave
	Blinks 3 times	Successful allocation to panel
Orange	Blinks once*	PIR
	Blinks 3 times	Anti mask

* Only in walk test mode.

5. Technical Specifications

Parameter	Description
Power	1 x CR123, 3V
Current Consumption:	20µA standby
Power Output	868.65 & 433.92 MHz: 10mW max. 24 GHz: 100mW max.
Battery Life	2 years, typical
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Humidity Range	Average relative humidity: 90% IP65
Weight	113 grams (4 oz.)
Dimensions (LxHxD)	124 x 35 x 42 mm (4.9 x 1.38 x 1.65")
Frequency	433.92 MHz, 868.65 MHz, 24 GHz

6. Ordering Information

Model	Frequency	P/N
DCD743	433MHz	8841050
DCD786	868MHz	8841051

UKCA and CE 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

Limited Warranty

PIMA Electronic Systems Ltd. does not represent that its product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. The User understands that a properly installed and maintained equipment may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.
Read this guide in its entirety before attempting to program or operate your system. Should you misunderstand any part of this guide, please contact the supplier or installer of this system.

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