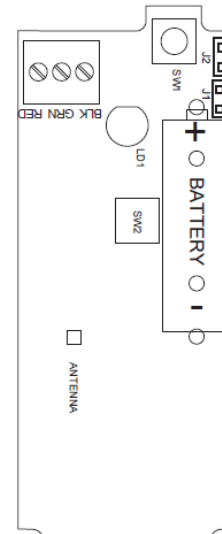
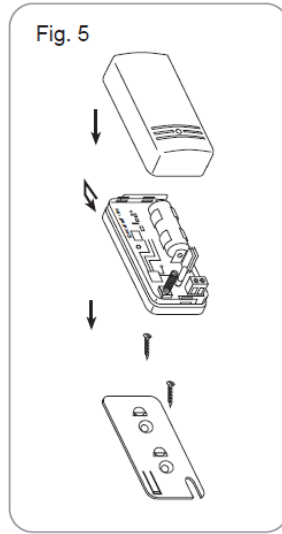
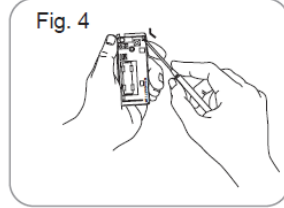
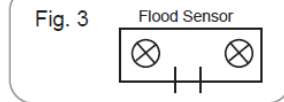
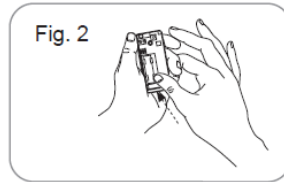
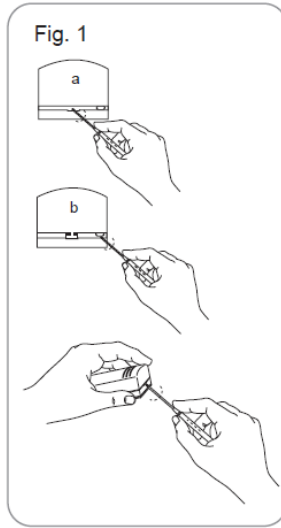




Wireless FLOOD DETECTOR



Model:
DFL743 / DFL786



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

Contacting PIMA

PIMA Electronic Systems Ltd.
www.pima-alarms.com
5, Hatzoref Street, Holon 5885633, Israel
Tel: +972.3.6506414
Fax: +972.3.5500442
Email: support@pima-alarms.com



© PIMA 05/2022 4412993-A

5IN2993-A



Scan for technical documentation

GENERAL DESCRIPTION

The wireless flood detector is a fully supervised detector used to detect the presence of water based liquids at any desired location such as basements or water tanks.

The detector is comprised from 2 parts: Wireless transmitter and flood sensor which are connected by 2.4m cable. The detector operates with PIMA's programmable wireless receivers.

MAIN FEATURES

- Flood Alarm Report:** In the event of a flooding event, the detector sends an alarm event 20 seconds after detection. Restore event will be sent 20 seconds after the problem is fixed.
- Flood Sensor Protection:** When the detector recognizes a problem with the flood sensor (short or cut) it sends tamper alarm event 6 seconds after detection. A restore message is sent 6 seconds after the problem is solved.
- Tamper Protection:** Back and cover tamper protection: Tamper alarm is sent immediately.
- Supervision:** The detector is fully supervised. It sends a periodic supervision message at times defined by jumper J2.
- Frequency:** 868.65 MHz or 433.92 MHz.
- Operating Range:** Up to 300m (1000 ft) outdoors.
- Battery Supervision:** On low battery condition the detector sends an automatic low battery report as part of any transmission.

LED INDICATION

On: The LED turns on each time the detector transmits (alarm, tamper or supervision).

Blink: Low battery condition. The LED will blink on each transmission.

JUMPER SETTINGS

Jumper	Description	Jumper on:
1	LED Enable / Disable	1 pin: LED disabled 2 pins: LED enabled (Default)
2	Supervision Time	1 pin: Every 65 minutes 2 pins: Every 15 minutes (Default)

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

Auto Enrolling (using RF Communication):

- Enter Installer menu, and select:
System Configuration > Peripherals > Wireless Peripherals > Enroll and delete > Detectors > Enroll > Auto Enrollment
- Open the transmitter's front cover (Figure 1).
- Remove the battery from the insulation material (Figure 2) and place it between the battery clips. Pay attention to the polarity of the battery.
- Press both tamper buttons (back and cover) for at least 3 seconds. The serial number should appear on the keypad.
- Select Enroll and press ↵

Manual Enrolling:

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

INSTALLATION

Select a mounting location that is suitable both for the transmitter and the flood sensor follows:

Transmitter Mounting Location:

• Place the transmitter at the highest possible position to improve communication and prevent from coming wet in the event of flooding.

• Test the transmitter 's communication quality by generating an alarm and verifying that the receiver has received it. If the alarm signal is not detected, reposition the transmitter and try again.

Flood Sensor Mounting location:

The flood sensor should be placed in a position where water will accumulate rapidly in an event of flooding.

After selecting the mounting location:

- Attach the flood sensor in horizontal position near the floor with the 2 pins facing downwards (Figure 3) using the enclosed screws or double-sided sticker.
- Secure the flood sensor cable to the wall. (Note: It is recommended to place the flood sensor cable inside metal or plastic pipe).

SPECIFICATIONS

Electrical	
Current consumption	10µA standby
Frequency	868.65MHz, 433.92MHz
Modulation ASK	ASK
Power Output	10mW Max.
Battery Type CR123 3V Lithium	CR123 3V Lithium
Battery life 5 years	5 years
Physical	
Size 81 x 35 x 32mm (3.2 x 1.37 x 1.27in.)	81 x 35 x 32mm (3.2 x 1.37 x 1.27in.)
Cable length between transmitter and flood sensor	2.4 m
Environmental	
Operating temperature 0°C - 55°C (32°F to 131°F)	0°C - 55°C (32°F to 131°F)
Storage temperature -20°C - 60°C (-4°F to 140°F)	-20°C - 60°C (-4°F to 140°F)
Maximum humidity 95% non-condensing	95% non-condensing

ORDERING INFORMATION

Model	Frequency	P/N
DFL743	433MHz	8841206
DFL786	868MHz	8841208