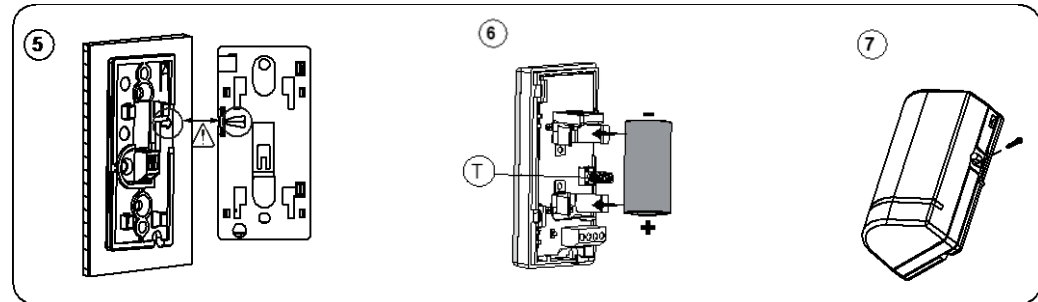
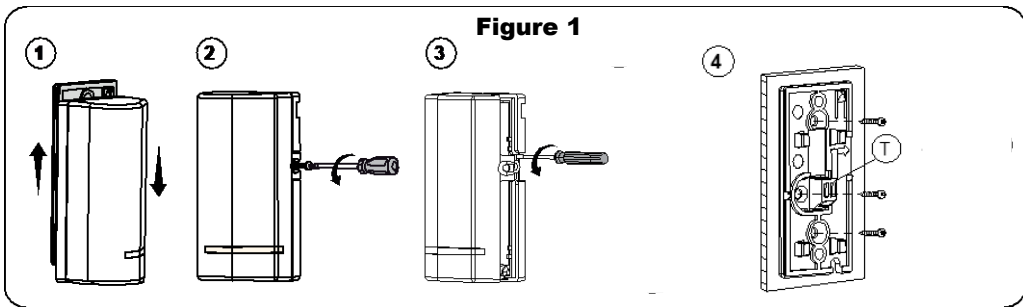


Wireless 2-Way Door Contact



Models: DCM743 / DCM786

Figure 1



A Figure 2

B

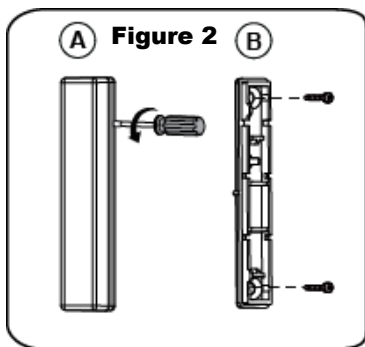


Figure 3

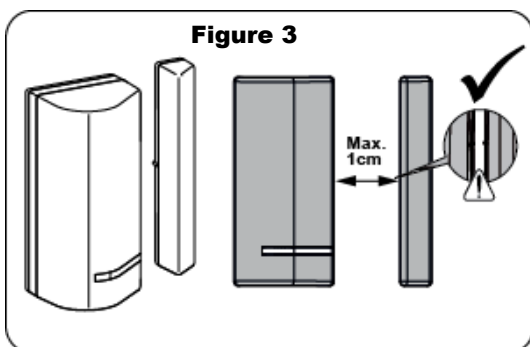
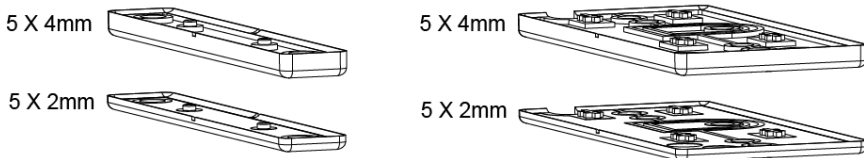


Figure 4



Option

Magnet spacers	Transmitter spacers
8170047 (x 10)	8170048 (x 10)

Figure 5

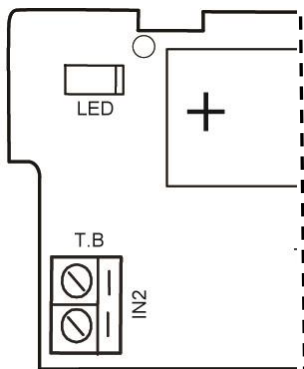
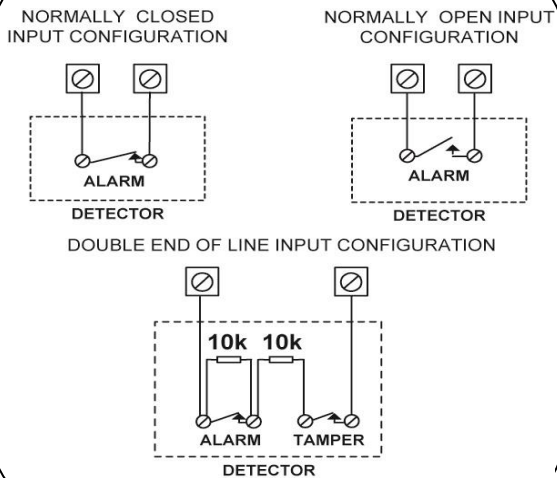


Figure 6



GENERAL DESCRIPTION

The DCM is a 2-way supervised transmitter that combines the Magnetic/Door Contact (against opening doors and windows) with an additional universal input or shutter. The DCM operates with PIMA's 2-way wireless systems – FORCE and VISION series.

MAIN FEATURES

- Communication: 2-way
- Range: Up to 300 m (1,000 ft.) range line of sight
- Selective input termination: NO, NC, DEOL, Shutter

- Selective input response: 10 / 500ms
- Tamper protection: Back + cover

LED INDICATION

- Upon successful learning: short flash sequence
- Normal operation: brief light upon transmission
- Low battery: short flash sequence during transmission

OPERATING MODE

The DCM reports events from IN2 and from the magnetic reed switch. In normal operation mode, an alarm is sent when the input or magnet are triggered. When restored, it transmits a restoral message.



NOTE: If configured as Roller Shutter, the magnetic reed switch will not function.

INSTALLATION

Step 1: Battery Insertion

1. Remove the front cover (Fig. 1-1 to 1-5).
2. Remove battery from the insulation material and reinsert it into the transmitter, paying attention to the polarity (Fig. 1-6).

Step 2: Enrolling the DCM in the System

1. For complete description of the wireless configuration and device enrollments, refer to Programming Guide for the FORCE and VISION Alarm Systems
2. Enrollment of the DCM 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. Send an enrollment message by pressing the front tamper switch (without detaching back bracket) for at least 3 seconds. The serial number should appear in 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 using the Force Manager Software:

For information about enrolling the DCM using the Force Manager software, refer to the Force Manager Manual.

NOTE: After enrollment or after exiting the control panel's Programming mode, the magnet will receive 2-Way data from the control panel for approx. 30 seconds. During this time, the magnet will not respond to any trigger but only to tamper activation. At the termination of this time, the magnet will revert to normal operation.

NOTE: Wait at least 1 minute before closing the front cover

Step 2: Input Wiring

Use the diagrams for appropriate input termination wiring. For DEOL termination connect two 10K Ohm resistors (supplied). See Figure 6.

NOTE: Cable length must be 3m Max.

Step 3: Selecting the Mounting Location

1. Select a location for best communication quality and near the intended wired detector. It's recommended to place the unit at the highest possible position.
2. Temporarily attach the unit to this point using two-sided adhesive tape.
3. Generate an alarm signal (by momentarily opening or closing the input terminals) and verify that the receiver has received the signal. If the alarm signal is not detected, reposition the transmitter and try again.

Step 4: Mounting

1. Detach back of transmitter from the back bracket (Fig. 1-1). At mounting location note the alignment marks for both components (Fig. 3), and then install accordingly using 2 mounting screws and back tamper screw (Fig 1-4).
2. Detach magnet casing (Fig. 2A) and install with mounting screws (Fig 2B).
3. Optionally, mount spacer(s) for transmitter and/or magnet as required (Fig. 4), positioned between the back bracket and the mounting surface.

NOTES:

- It's best to mount the transmitter on the non-moving part (door/window frame), and the magnet on the moving part.
- Spacers are purchased separately (Figure 4).
- The mark on the magnet's case must be aligned with the mark on the transmitter's case (Fig. 3).
- For installations on wood or alloy, the maximum distance for normal operation is 10 mm, while for metal ferromagnetic materials (such as iron) it is 5 mm (Fig. 3).

Step 5: Defining Parameters

These parameters can be defined for DCM:

Parameter	Option
LED Enable	Yes/No
Magnet	Enable/Disable
Alarm Hold	On/Off
Termination	IN 2: NO/NC/EOL/DEOL/Shutter
Response	10ms / 500ms
Anti-sabotage magnet	--
Shutter Pulse	01 – 16*

* If defined

TECHNICAL SPECIFICATION

ELECTRICAL	Low battery: 2.5 V
Battery Type: CR123 3V Lithium Battery	Contact Size: 32 x 35 x 72 mm (1.3 x 1.4 x 2.8 in.)
Current Consumption: 11µA standby, 40 mA max	Magnet Size: 16 x 11 x 72 mm (0.6 x 0.44 x 2.8 in.)
Frequency: DCM786 868.65 MHz DCM743 433.92 MHz	Output power: 10mW Max. ENVIRONMENTAL
Dead Time (HOLD ON): 2.5 minutes	Operating temperature: -10°C – 55°C (14°F – 131°F)
Supervision Transmission: 15 minutes	Storage temperature: -20°C – 60°C (-4°F – 140°F)
Modulation type: ASK	RF immunity: According to EN50130-4
Battery Life: 3 years typical	
Standards	EN50131-2-6 Grade 2, Environmental Class II, EN50131-6: Type C PD6662:2017
Specifications are subject to change without prior notice. Should any questions arise please contact your supplier.	

ORDERING INFORMATION

Model	Frequency	P/N
DCM743	433MHz	8841202
DCM786	868MHz	8841203

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. Copyright © 2022 PIMA Electronic Systems Ltd. All rights reserved. E&OE

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



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