DIGIFLEX
SECURITY ELECTRONICS

RF113
SMART RF
Wireless Contact

Installation Guide
Rev1.4

29.6 mm
22.5 mm
102 mm

54 mm
17.4mm
13.5 mm

⚠️ Case Lock Screw Thread Length

10mm Max
4G x10 Philips #1

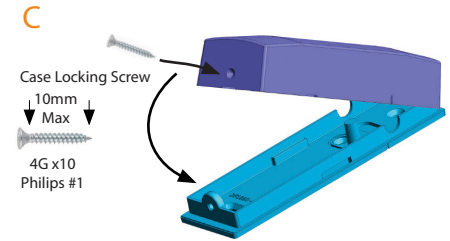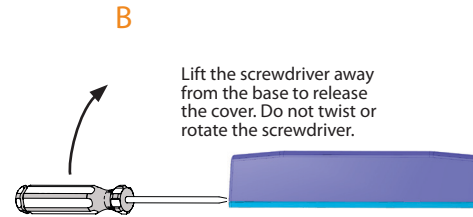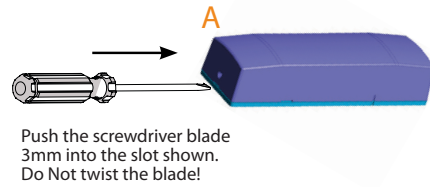Panasonic CR123A Lithium Duracell DL123A
3.0 VDC
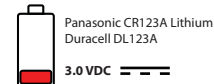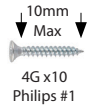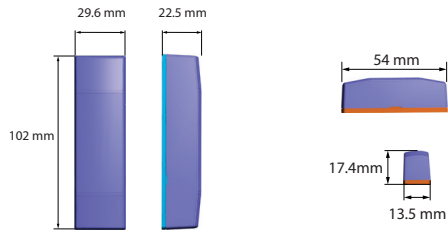
? → For Further Information See Your Control Panel Installation Manual

433.42 Mhz

CE ♻️ ✓
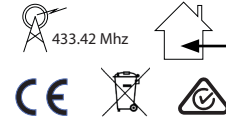
0-93% Relative Humidity Non-condensing

Functional range: -10℃ to +49℃
EN5013-5 Class II Only: -10℃ to +40℃

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1 **Opening The Housing**

A

Push the screwdriver blade 3mm into the slot shown. Do Not twist the blade!

B

Lift the screwdriver away from the base to release the cover. Do not twist or rotate the screwdriver.
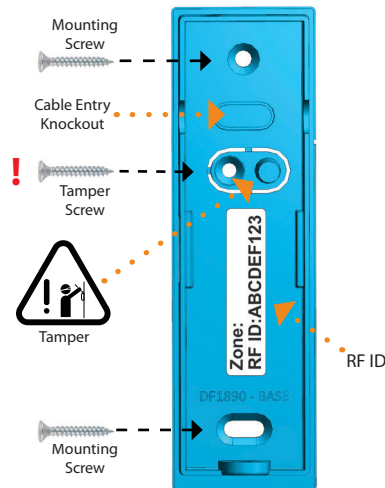
C

Case Locking Screw
10mm Max
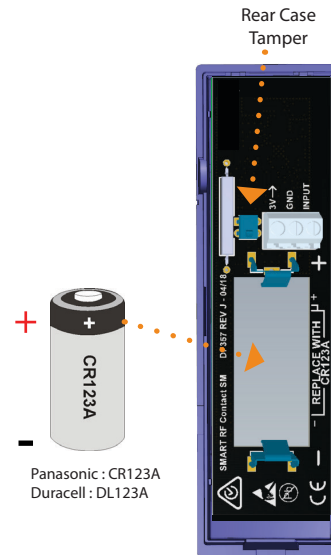4G x10 Philips #1

The RF113 Ships With The Following Items

RF113 Printed Wiring Assembly

RF113 Housing Including Cover And Mounting Plate

Double Sided Adhesive Tape To Suit Above Housing

Magnet Housing Including Cover And Mounting Plate

Double Sided Adhesive Tape To Suit Above Housing

Neodymium Magnet

CR123A Lithium Battery

5 x Mounting Screws and 1 x Case Lock Screw

RF113IRG Installer Reference Guide

⚠️ Ensure that the transmitter is protected from weather elements such as extreme temperatures, humidity, rain or snow.
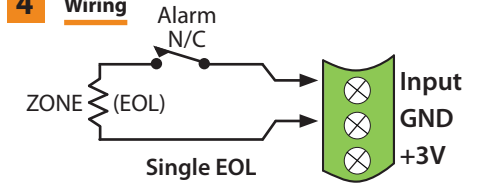
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Our Vision Is Your Peace Of Mind

2 **Mounting**

Mounting Screw

Cable Entry Knockout

❗ Tamper Screw

⚠️ Tamper

Zone: RF ID:ABCDEF123

RF ID

DF1890 - BASE

Mounting Screw

3 **Battery Installation**

Rear Case Tamper

3V→ GND INPUT

DP357 REV J - 0418

REPLACE WITH CR123A

SMART RF Contact SM

+ CR123A −

Panasonic : CR123A
Duracell : DL123A

4 **Wiring**

Alarm N/C

ZONE (EOL)

Input
GND
+3V

Single EOL

End Of Line Resistor (EOL)
For further information refer to Control Panel EOL Selection

Wiring Distance = 8m MAX

Alarm N/C   Tamper N/C

ZONE (EOL)   TAMPER (EOL)

Input
GND
+3V

EOL Alarm+Tamper

Input
GND
+3V
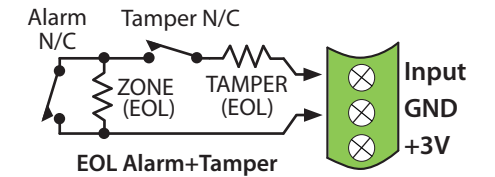
3V D.C. Output
Powering external devices from this output will reduce battery life.

RF113IRG Rev1.4 P/N DF2383

7 Magnet Installation

High Magnet Position

Low Magnet Position

For best performance install the magnet as close as possible to the RF113, and align the centre of the magnet with the alignment mark on the RF113 housing. Use the tables in section 8 as a guide to placement performance in your installation.

Magnet Alignment Mark

RF113

Magnet
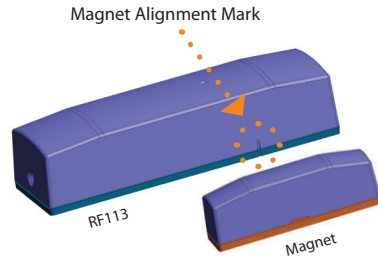
9 Using Adhesive Mounting

The RF113 is supplied with a double sided tape mounting option. Use this mounting method to speed installation where appropriate.

Follow the guidelines below for best results.

1) Do not use on rough or uneven surfaces.

2) Clean both surfaces using isopropyl alcohol wipes before installing tape.

3) Test zone function to ensure correct placement before removing backing tape.

4) Apply firm pressure to the device for 30 seconds after placement to ensure the adhesive activates. (The adhesive is pressure activated)
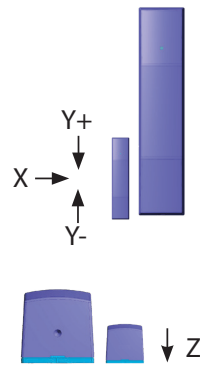
10 LED Indicator

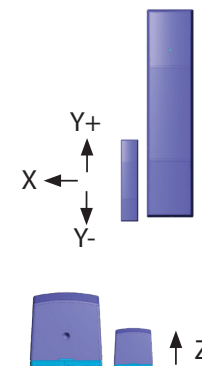|	
6 Slow Flashes	**Device Powered Up**
4 Fast Flashes	**Device Has been Configured**
Continuous Flash	**Device TX or RX**
Single Pulse	**Device Input Triggered**

When panel is in service mode and device Tamper is triggered, the LED will activate for up to 15 minutes to assist with device placement and configuration. During normal operation, the LED is off to extend battery life.

8 Magnet Placement Guide

Using Side Reed SW			
🔔	Alarm to N/C	Metal Surface	Timber Surface
Magnet In High Position	X	15mm	22mm
	Y	+13mm to -13mm	+13mm to -15mm
	Z	35mm	39mm
Magnet In Low Position	X	7mm	20mm
	Y	+9mm to -12mm	+13mm to -17mm
	Z	42mm	48mm

Using Side Reed SW			
🔔	N/C to Alarm	Metal Surface	Timber Surface
Magnet In High Position	X	16mm	23mm
	Y	+13mm, -13mm	+13mm, -15mm
	Z	37mm	41mm
Magnet In Low Position	X	8mm	22mm
	Y	+10mm, -13mm	+13.5mm, -17mm
	Z	43mm	50mm

RF113 Device Specifications

Parameter	Value
Input Types Supported	Single EOL, Alarm+Tamper, Dry Contact or Pulse Counting (Clicker input)
Operating Temp	-10°C to +49°C
Humidity	0% - 93% Non-condensing
Battery	3V CR123A Lithium
Battery Life	Up to 5 years
Frequency	433.42MHz
RF Modulation	FSK
Data Rate	25kbps
Data Encoding	Manchester
Approvals	RCM (ANZ), CE (Europe)