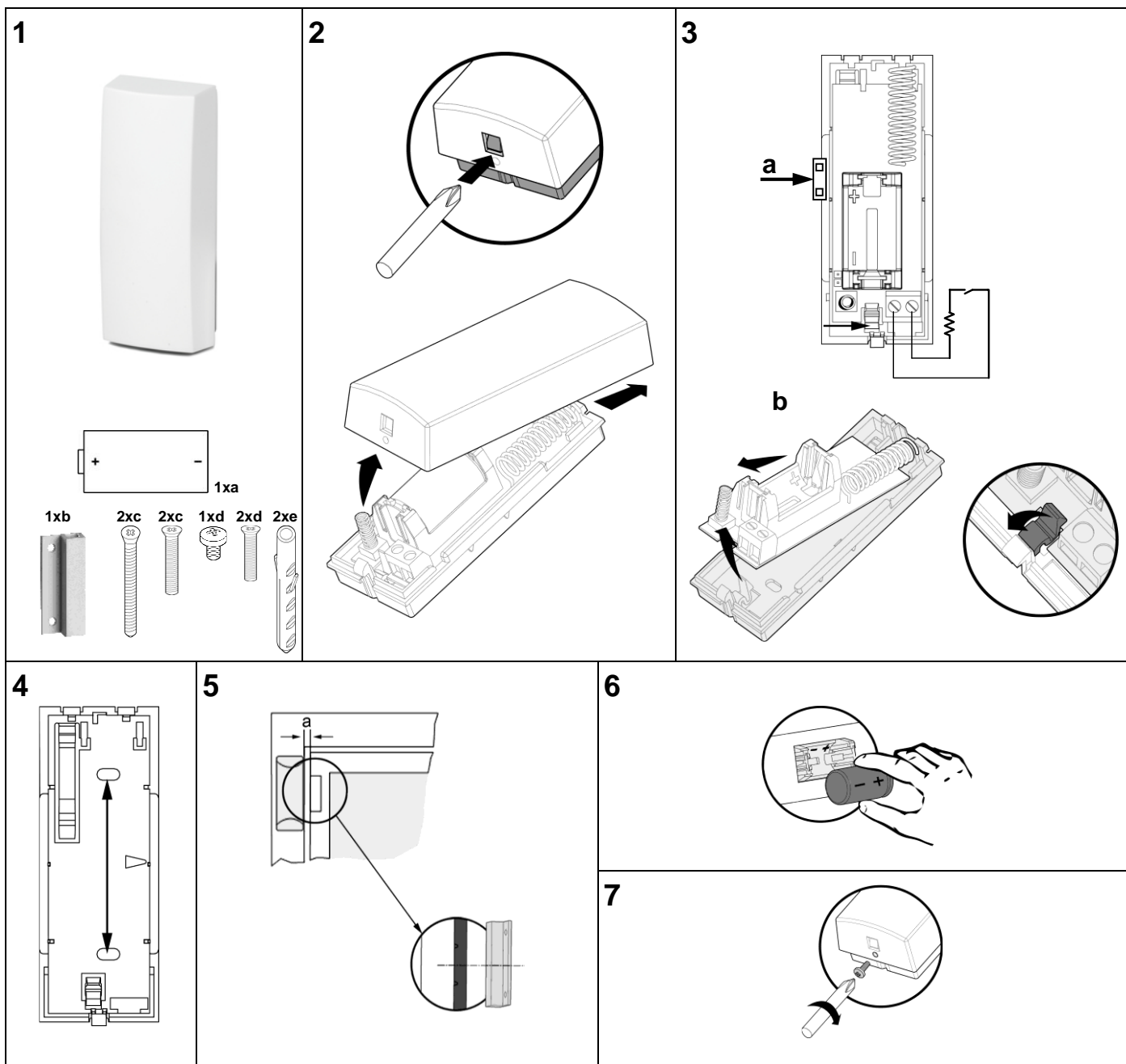


IMKW6-10

- Wireless Magnet Contact (EN)
- Kabelloser Magnetkontakt (DE)
- Contact aimant sans fil (FR)
- Contacto magnético inalámbrico (ES)
- Contatto magnetico via radio (IT)
- Contacto magnético sem fios (PT)
- Trådløs magnetkontakt (NO)
- Draadloos magneetcontact (NL)
- Bezdrátový magnetický kontakt (CZ)
- Trådløs magnetkontakt (SV)



STEP: 009914_k
Edition: 04.04.2016
CADIM: A5Q00053228
P/N 7121727 Rev. A



English

Installation Instruction

⚠ Before starting to install and work with this device, please read the Safety Instructions

Scope of delivery (fig.1):

- IMKW6-10 Wireless Magnet Contact + battery 3.6V ½ AA (a)
- Magnet unit (b)
- Screws: for detector (c), for magnet (d)
- Plugs (e)
- Jumper: for disabling the back tamper switch

Installation

Removing the front cover (Fig. 2-3)

- Insert a screwdriver in the slot of the snap release and push gently, until the front cover is disengaged and you hear the opening click (Fig. 2).
- Lift the Printed Circuit Board (Fig. 3b).

Mounting the base (Fig. 4)

⚠ Pay attention to the guidelines in the Installer Manual for mounting the IMKW6-10.

- Break out the desired holes on the base for proper installation.
- Mount the base to a fixed part of a door or window.
- Install the Printed Circuit board back into the base.

⚠ Use only the screws and plugs supplied.

Setting operation Mode (external contacts)

The unit can be configured for connecting one or more external contacts (NC) in series. This connection is protected by End Of Line 8.2k Ohm series resistor. The external wiring can be up to 15 m (certified up to 3 m).

There are 3 operation modes for the IMKW6-10. The unit learns the mode of operation during power-up (insertion of the battery).

Mode	Setting at power-up	
	External Contact	Internal Contact
Internal contact only	open	close
External contact only	Close with 8.2k EOL	open
Internal and external	Close with 8.2k EOL	close

Disable back tamper switch

The back tamper of the unit can be deactivated by inserting a jumper (Fig. 3a).

⚠ When the bypass jumper is set, the unit complies with EN50131 security grade 1. When the jumper is NOT set, the unit complies with EN50131 security grade 2.

Mounting the magnet (Fig. 5)

- Mount the magnet on the moveable part of a door or window, aligned with the markings on the base of the detector.

Installing the battery (Fig. 6-7)

⚠ Risk of explosion if battery is replaced by an incorrect type. Use only batteries delivered by the supplier.

- Insert the battery according polarity (-) (+) (Fig. 6).
- Place the cover by inserting back in the appropriate closing pin.
- Screw in the retaining screw (Fig. 7).

Enrolment

To enrol the IMKW6-10 on the SiWay panel/gateway, please follow the instructions of the corresponding installation/configuration manual.

Testing

Alarm transmission test

- Select the "Walk Test Mode" in the control panel as described in the installation/configuration manual in order to avoid a real alarm transmission.
- Remove the magnet:
The control panel will indicate each alarm transmission received.
- Replace the magnet:
The alarm message disappears.

Maintenance and Service

Check the detector regularly (at least once a year) to ensure that it is functioning correctly (by carrying out a walk test), that it is free of dirt, and that it is securely attached. If necessary, clean and /or secure the detector.

Technical Data

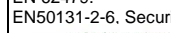
Data Protocol	SiWay		
Wireless – range	up to 300 m at open space		
Frequency band	868 MHz		
Identification	Unique ID serial number – 24 bit		
Event Transmission	Alarm, Tamper, Supervision, Low Bat (at 2.4 V)		
Supervision Timing	6-7 minutes (random)		
Detection Method	Internal Reed Switch and External contacts		
Open/close distances (Fig. 5a) * Not tested by Telefication		Close	Open
	Wood / Plastic	<17 mm	>20 mm
	Metal (Iron)*	<6 mm	>10 mm
	Metal (Aluminium)*	<9 mm	>13 mm
Concrete	<15 mm	>20 mm	
Battery	Lithium. 3.6 V Type: XL-050F, Size: 1/2AA		
Low battery threshold	2.4 V		
EOL resistor	8.2k		
Power Consumption	Standby ~5 µA		
	Transmission ~16 mA		
Dimensions	87 x 35 x 25 mm		
Weight (inc. battery)	~40 g		
Environmental conditions:			
Operation temperature	-10 to +50 °C		
Storage temperature	-20 to +60 °C		
Humidity (EN60721)	< 85% r.h., non condensing		
Housing protection EN60529, EN50102	IP41 / IK02		

EC Declaration of Conformity

Hereby, Vanderbilt International (IRL) Ltd declares that this radio equipment type is in compliance with all relevant EU Directives for CE marking. From 20/04/2016 it is in compliance with Directive 2014/30/EU (Electromagnetic Compatibility Directive) and Directive 2014/35/EU (Low Voltage Directive). From 13/06/2016 it is also in compliance with Directive 2014/53/EU (Radio Equipment Directive). The full text of the EU declaration of conformity is available at:

<http://pcd.vanderbiltindustries.com/doc/wireless>

EN 50130-4:2011, EN 50130-5: 2011, EN 50131-2-6:2008,
EN 50131-5-3:2005+A1:2008 and R&TTE
EN 61000-6-3:2007/A1:11;
EN 301 489-1 V1.9.2; EN 301 489-3 V1.6.1
EN 300 220-2 V2.4.1
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013.
EN 62479.
EN50131-2-6. Security Grade 2, Environmental Class II certified by:



For more detailed instruction please refer to the manuals of the respective control panel or gateway.

