SECOLink

BK1, BK2, BK3, BV3, BK4 and BT1 Wireless detectors

Intruder alarm system **Installation manual**

The Bx series detectors (BK1, BK2, BK3, BV3, BK4 and BT1) provide the most reliable, convenient and cost effective solutions for security protection. These devices are powerful and versatile enough to help solve even the toughest, most labor intensive installations. All Bx series detectors are compatible with wireless extension modules EXT116S or with built-in virtual modules EXT116SVM in P series control panels P16, P32 and P64.

SECOLINK WIRELESS DETECTORS

Model	Built-in reed switch (used in conjunction with a magnet)	Built-in temperature sensor	Input loops (zones) for wired applications	Supports wired normally closed circuit contact loops	Supports wired Roller detectors	Supports wired Vibration detectors
BK1	✓	✕	✕	✕	✕	✕
BT1	✕	✓	✕	✕	✕	✕
BK2	✕	✕	**2**	✓	✓	✕
BK3	✕	✕	**3**	✓	✓	✕
BV3	✕	✕	**3**	✓	✕	✓
BK4	✓	✕	**3**	✓	✓	✕

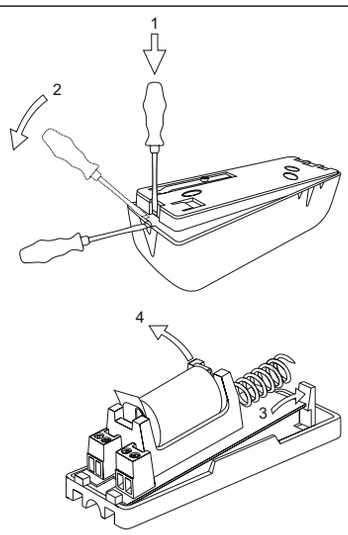
SPECIFICATIONS

Dimensions (W x H x D)	Ambient temperature	Ambient humidity	Operating frequency	Battery	Battery life*
27 mm x 75 mm x 23,6 mm	-10°C - +55°C	0% - 70%	Depends on firmware version of the detector: BK1 V.[1]016; 1517; QC:4 SN: 104258425 1 = 868,30 MHz (EU) 9 = 915,30 MHz (AU)	Lithium battery ½ AA, 3,6V	BK1, BT1: ~3 years BK3, BV3, BK4: ~2 years BK2: ~1,5 years (with extra load of 20 uA on terminal 3)

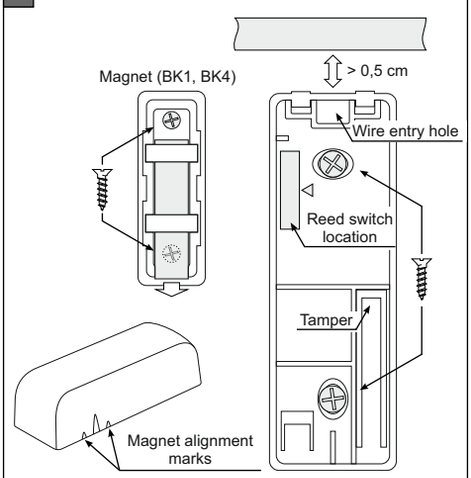
* calculated battery life expecting that there will be 12 events and 12 restores

INSTALLATION

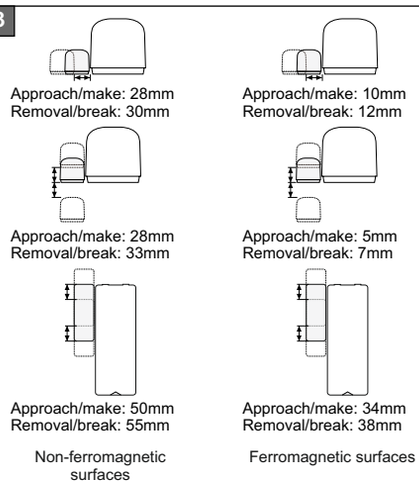
1



2

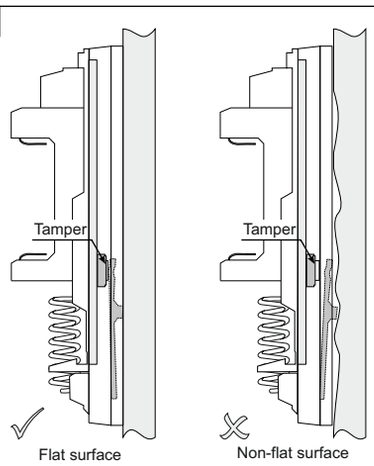


3



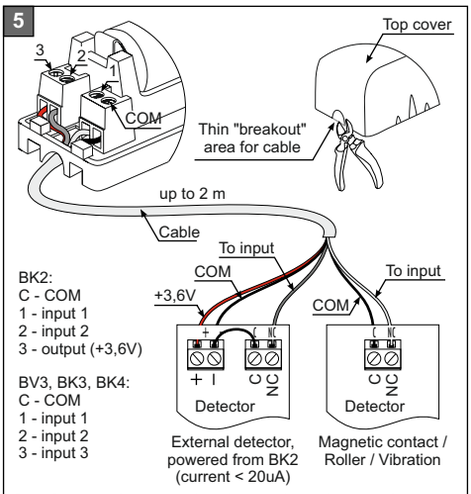
Recommended maximum gap separation for installations on non-ferromagnetic surfaces is 25 mm and for ferromagnetic surfaces is 5 mm.

4



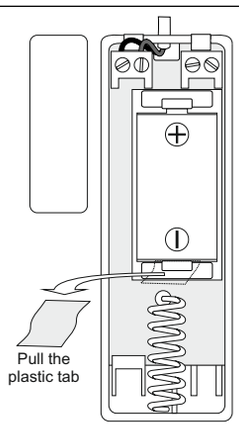
The detector includes a built-in tamper that can be activated if the detector is mounted on a non-flat surface.

5



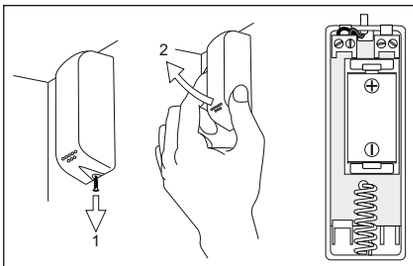
Caution: make sure that loop wires do not short any components on circuit board.

6



Remove the plastic tab. Follow the instructions on the 2nd page and enroll the detector into the alarm system. After a successful detector's enrollment close the top cover. Use the supplied self-tapping screw to secure the top cover to the mounting base.

BATTERY INSTALLATION/REPLACEMENT



Battery life of wireless detectors depends on the environment, usage, and the specific wireless devices being used. Factors such as humidity, high or low temperatures, as well as large swings in temperature may all reduce the actual battery life in a given installation. When the battery is nearly dead (low battery threshold voltage < 2,45V), the detector will send a low battery signal to the alarm system for the user to replace it before it discharges completely.

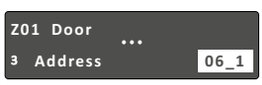
1. Unscrew the self-tapping screw.
2. Remove the detector's top cover.
3. Observe correct polarity and insert the battery into the battery holder.
4. Close the top cover and secure it with a self-tapping screw.
5. Dispose of used batteries as per local regulations.

Caution: the detector will send a tamper message to the receiver when housing is opened - the alarm can be triggered.

ENROLLING

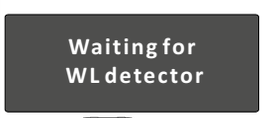
Advance to the next unlearned zone with keypad keys [✱] or [7].

Enable the wireless zone by changing *Not used* loop type to any other loop type. If the system uses a keypad produced before 2014, an installer is obligated to change the loop type to *NO/DEOL* or *Vibration*.

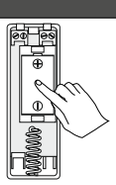


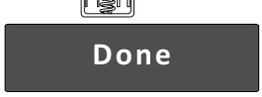
Enter the zone address in *MA_Z* format, where *MA* is a module address in the system and *Z* is a zone number in the module.
Note: for wireless zones MA_1 – MA_8 the system will automatically assign *NO/DEOL* loop type and for wireless zones MA_9 – MA_16 the *Vibration* loop type. Don't change the loop type of a zone!
Module address:
EXT116S - address **06** (default) or given during the registration process;
Virtual module EXT116S address depends on the control panel's type:
P16 - address **12**;
P32 - address **12** and **13**;
P64 - address **12**, **13**, **14** and **15**.

Enter wireless detector's loop (zone) ID number and press the [ENT] key to start enrolling. This field may also be used for deleting the sensor from the module.



When enrolment has started, immediately press the detector's battery for a short period of time (~1 sec) as shown in the picture. You will feel a light click after pressing the battery. The tamper switch is now activated and the detector will transmit a tamper message.





Wireless detector successfully enrolled. No additional transmissions are needed for confirmation.

Wireless detector loop (zone) enrolling ID numbers

Use	Supports	Wireless detector loop (zone) ID number		
Built-in reed switch (used in conjunction with a magnet)	BK1 BK4	201		
Temperature sensor	BT1	200		
Normally closed circuit contact loop wired to ...	BK2** BK3 BV3 BK4	... input 1	... input 2	... input 3
		210	220	230
		Zone response (speed) time of 0,4 sec.		
Roller detector loop wired to ...	BK2** BK3 BK4	... input 1	... input 2	... input 3
		21<u>1</u> 21<u>2</u> 21<u>3</u> 21<u>5</u> 21<u>7</u> 21<u>9</u>	22<u>1</u> 22<u>2</u> 22<u>3</u> 22<u>5</u> 22<u>7</u> 22<u>9</u>	23<u>1</u> 23<u>2</u> 23<u>3</u> 23<u>5</u> 23<u>7</u> 23<u>9</u>
		21<u>1</u> - last digit of identification code defines the number of Roller pulses.		
Vibration detector loop wired to ...	BV3	... input 1	... input 2	... input 3
		11<u>1</u> 11<u>2</u> ... 11<u>8</u> 11<u>9</u>	12<u>1</u> 12<u>2</u> ... 12<u>8</u> 12<u>9</u>	13<u>1</u> 13<u>2</u> ... 13<u>8</u> 13<u>9</u>
		11<u>1</u> - last digit of identification code number x 10 defines the zone response (speed) time (example: 1 x 10 = 10 msec).		
Delete the detector in a particular zone	All	255		
Delete all detectors in a specific wireless module	All	254		

** wireless detector loop (zone) ID number for input 3 is not used.

SYSTEM COMPLIANCE AND WARRANTY

Kodinis Raktas UAB, manufacturer of SECOLINK Intruder Alarm System, offers a Warranty for a term of twenty-four months. It declares, that product BK1 complies with essential EU directives and EU standards EN 50131-1, Grade 1, Environmental Class II; EN 50131-2-6. For more information visit manufacturer's website www.kodinis.lt or www.secolink.eu for a complete text of declaration. SECOLINK Intruder Alarm System is designed and manufactured in Lithuania.

Please act according to your local rules and do not dispose of your unusable alarm system or its components with other household waste. This product utilization in EU is covered by European Directive 2002/96/EC.