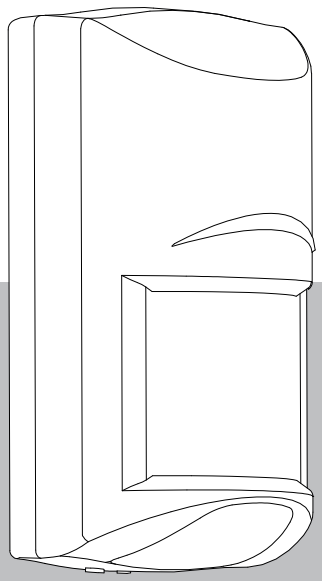
radionix

Blue Line Gen 2

ISC-BDL2-W12x | ISC-BDL2-WP12x | ISC-BPQ2-W12 | ISC-BPR2-Wx | ISC-BPR2-WPx



en Installation manual

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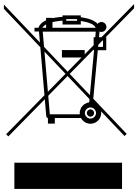
1 Safety

Changes or modifications not expressly approved by Radionix can void the user's authority to operate the equipment.
At least once per year, re-verify the coverage pattern. To ensure continual daily operation, instruct the end user to walk through the far end of the coverage pattern. This ensures an alarm output prior to arming the system.

Old electrical and electronic equipment

	This product and/or battery must be disposed of separately from household waste. Dispose such equipment according to local laws and regulations, to allow their reuse and/or recycling. This will help in conserving resources, and in protecting human health and the environment.

2 Introduction

This document provides installation, configuration, and operation information for Blue Line Gen 2 Series motion detectors. Throughout this document, the words "motion detectors" refer to all Blue Line Gen 2 motion detectors covered by this document.
Review the content within the following sections before installing the motion detector:

2.1 About documentation

Copyright
This document is the intellectual property of Radionix and is protected by copyright. All rights reserved.

Trademarks
All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Notifications
This document uses Notices, Cautions, and Warnings to draw your attention to important information.

Notice!
These include important notes for successful operation and programming of equipment, or indicate a risk of damage to the equipment or environment.

Caution!
These indicate a hazardous situation which, if not avoided, could result in minor or moderate injury.

Warning!
These indicate a hazardous situation which, if not avoided, could result in death or serious injury.

2.2 Product manufacturing dates

Manufacturing dates
For product manufacturing dates, go to https://www.keenfinity-group.com/xc/en/datecodes/ and refer to the serial number located on the product label.

3 Detector overview

ISC-BDL2-Wx series

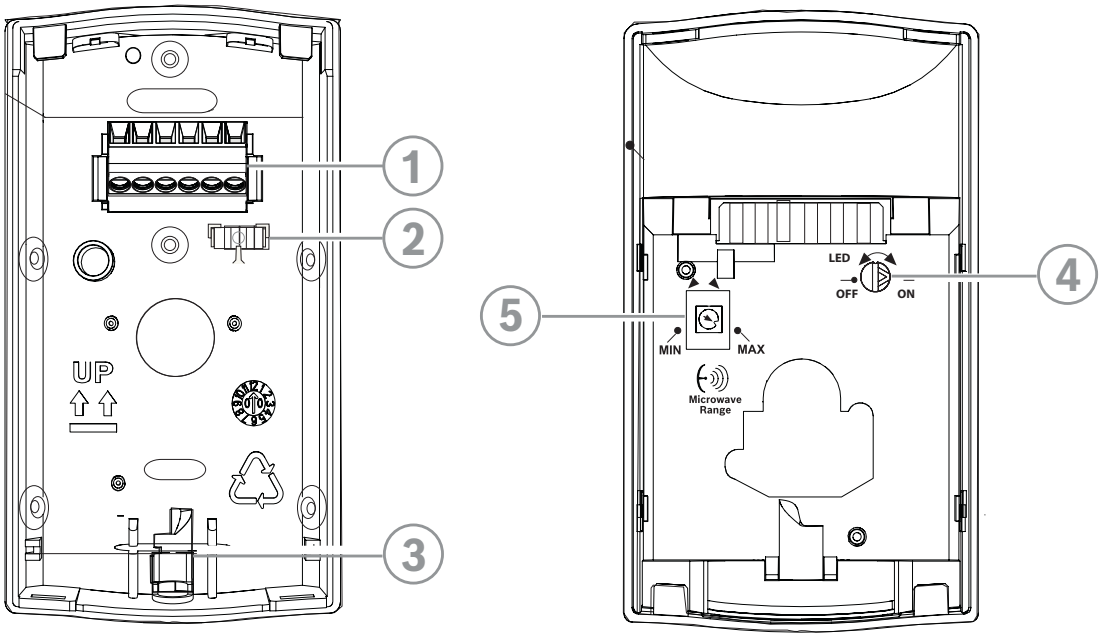


Figure 3.1: Interior view - base (left), Interior view - body (right)

Callout	Description	Callout	Description
1	Terminal block	2	Bubble level
3	Self-locking cam lock	4	LED ON/OFF adjustment
5	Microwave adjustment		

ISC-BDL2-WPx series

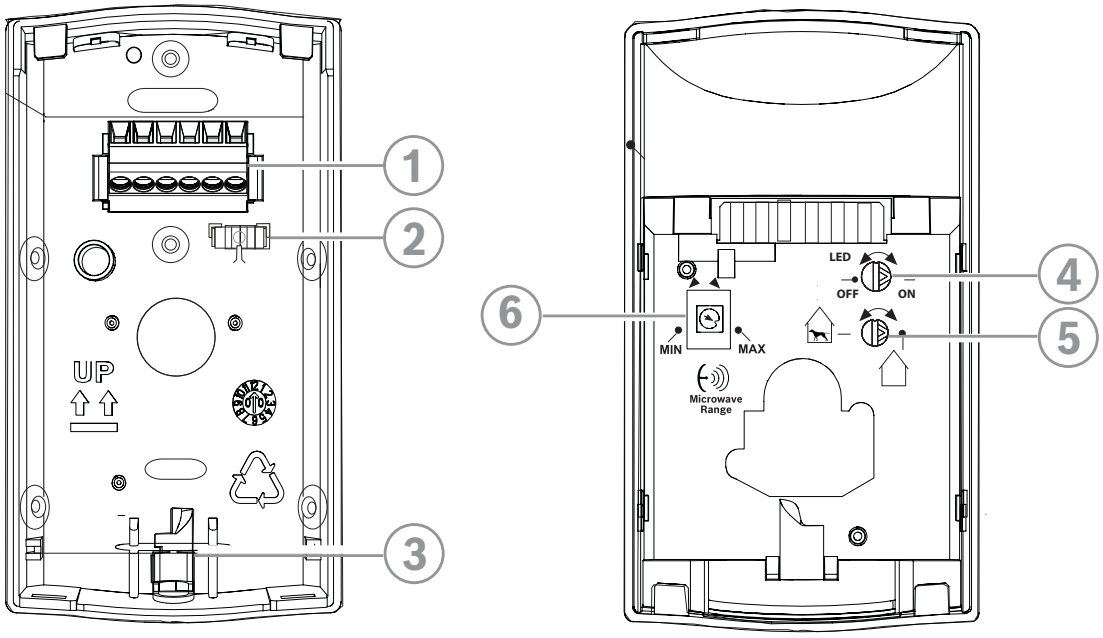


Figure 3.2: Interior view - base (left), Interior view - body (right)

Callout	Description	Callout	Description
1	Terminal block	2	Bubble level
3	Self-locking cam lock	4	LED ON/OFF adjustment
5	Pet Friendly adjustment	6	Microwave adjustment

ISC-BPR2/ISC-BPQ2-Wx series

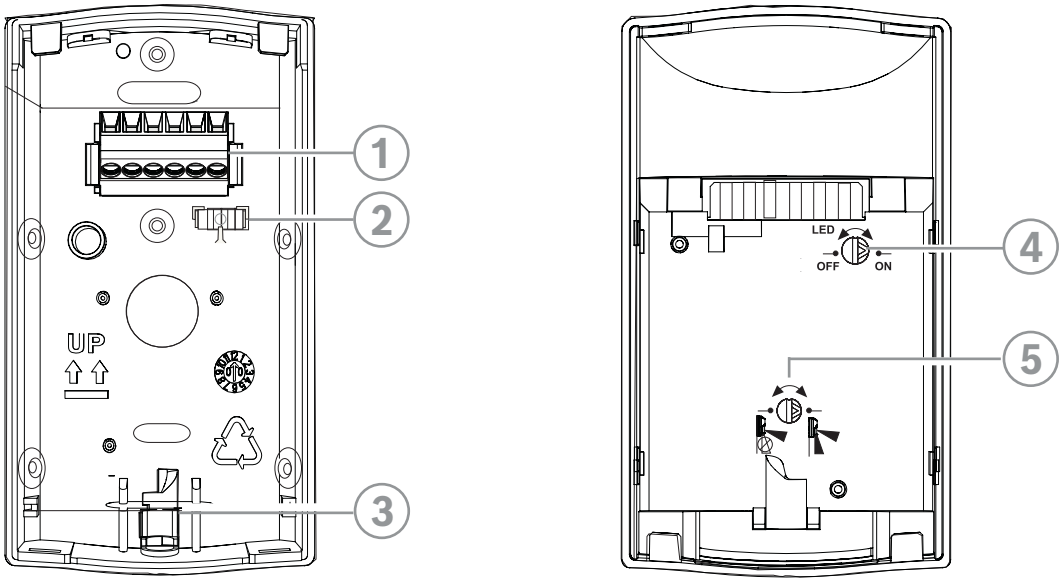


Figure 3.3: Interior view - base (left), Interior view - body (right)

Callout	Description	Callout	Description
1	Terminal block	2	Bubble level
3	Self-locking cam lock	4	LED ON/OFF adjustment
5	Look down adjustment		

ISC-BPR2-WPx series

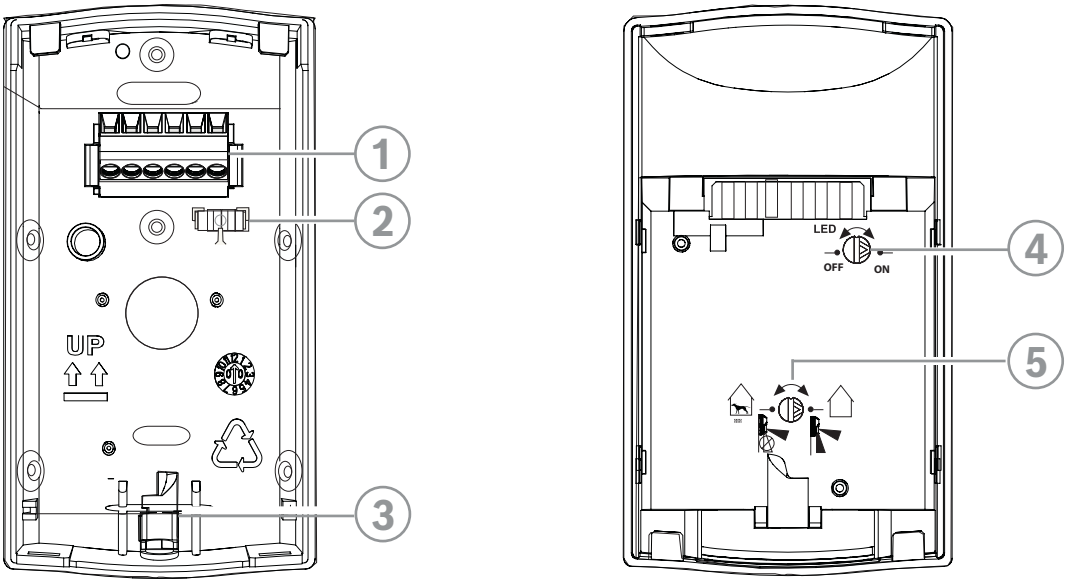


Figure 3.4: Interior view - base (left), Interior view - body (right)

Callout	Description	Callout	Description
1	Terminal block	2	Bubble level
3	Self-locking cam lock	4	LED ON/OFF adjustment
5	Look down/Pet Friendly adjustment		

4 Installation considerations

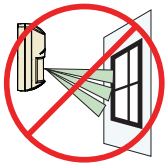
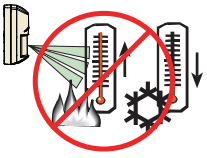
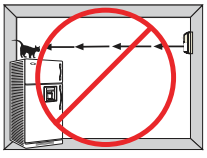
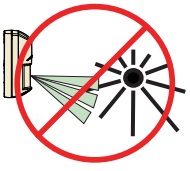
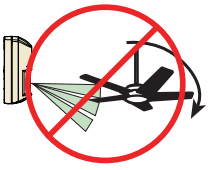
When installing the detector, observe the following installation considerations.

Notice!

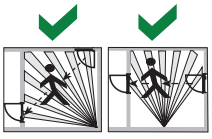
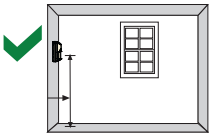
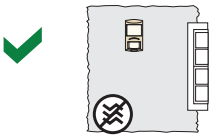
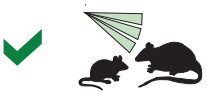
Bracket use

Using a mounting bracket might reduce catch performance and false alarm immunity. Reduced catch performance might invalidate regulatory certification on the installation. Regulatory agencies do not approve bracket use. In order to optimize catch performance and false alarm immunity, ensure that the motion detector is level both vertically and horizontally and is mounted within the defined mounting height range.

Microwave energy passes through glass and most common non-metallic walls. The PIR detector reacts to objects rapidly changing temperature within its field-of-view.
Detectors using passive infrared (PIR) technology recognize that all objects give off (emit) infrared energy. The warmer an object is, the greater the amount of infrared energy is emitted. The PIR receiver technology is designed to detect the change in infrared energy caused when a target of a different temperature from a stable background passes through its field of view (coverage area).

Point the detector away from:	
	Glass exposed to the outdoors.
	Objects that might change temperature rapidly such as heat sources, air conditioning outlets, or surfaces heated by sunlight.
	Objects that small animals such as birds and mice might climb on (stairs, shelves, ledges, furniture) and appear in the upper zones of the PIR which are more sensitive. Small animals in close proximity in the field of view of the detector might also cause false alarms.
Do not install:	
	In a location where direct sunlight shines onto the detector.
	Outdoors.
	Near rotating machines or other moving objects within the coverage pattern.

Point the detector away from:	
	Near objects that can block the field of view.
	Where an intruder would walk only directly toward or away from the detector.
 	In a location where the detector's field of view is blocked by movable objects such as boxes, furniture, doors or windows. The PIR detector does not detect through glass.
	Near doors and windows or other openings where cold or warm air can flow onto the detector.

Do install:	
	Where an intruder is most likely to cross through the coverage pattern.
	Within recommended installation height range measured from the floor. [2.3 m - 2.75 m (7.5 ft - 9 ft)]
	On solid, vibration-free surface.
Additional notes:	
 ≤ 4.5 kg (10 lb)	The detector is immune to small animals such as rodents up to 4.5 kg (10 lbs) when installed according to the installation considerations listed in this document.

5 Installation

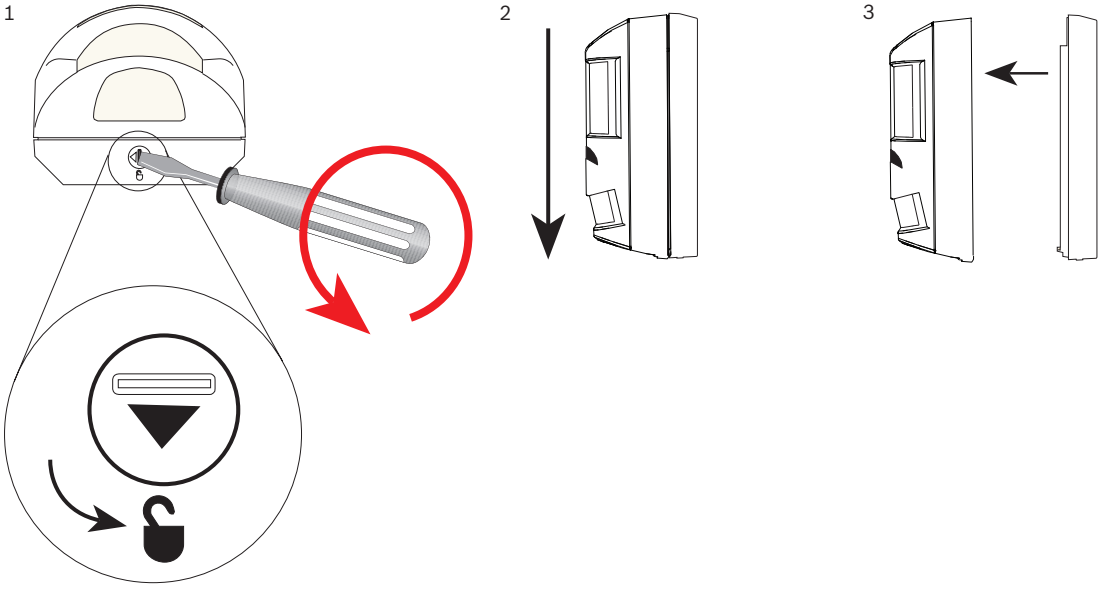
This section includes hardware details and the instructions you need to install the motion detector base.

5.1 Self-locking cam

The detector includes a self-locking cam for easy installation. Refer to the following information to open and close the detector.

Open the detector and remove the base

1. Insert a flathead screwdriver into the self-locking cam hole.
2. Turn to the unlock position.
3. Slide, then lift the detector from the base.

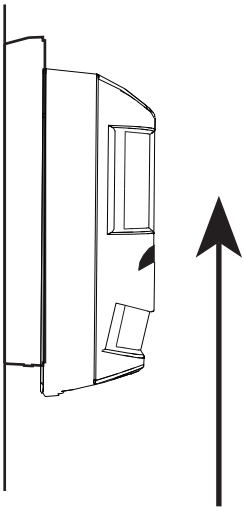


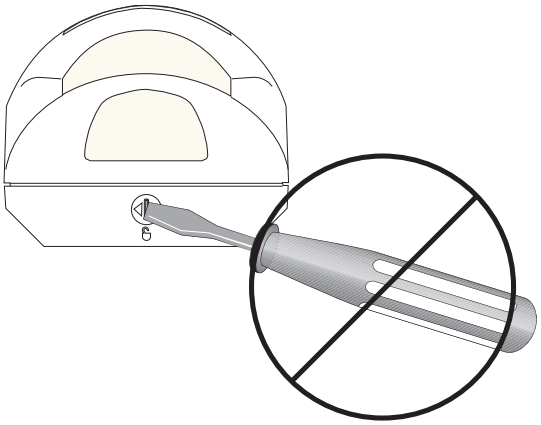
Attach the detector back onto the base

Notice!

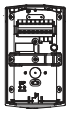
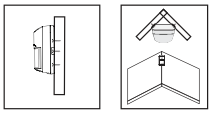
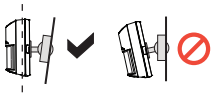
When you remove the detector from the base, the cam automatically returns to the locked position. When you place the detector onto the base, the cam must remain in locked position. Do not manually change the cam once you remove the detector from the base; doing so unlocks the detector and prevents you from putting the detector correctly onto to base.

1. Put detector onto the base.
2. Slide the detector up until you hear it "click."





5.2 Install options

	Install the detector using the detector base.
	Install the detector on a flat wall or in a corner. Refer to Install directly to the surface.
	Install the detector using a bracket. Refer to *Install on a bracket, page 15*.
	Detector coverage patterns are designed for optimal performance when installed level both vertically and horizontally. The detector base includes a removable bubble level which helps you align the unit. Before drilling the installation holes, use the bubble level to align the detector. Refer to *Bubble level, page 16*.

Install directly to the surface

When installing onto a flat surface, select the installation holes shown in the figure. Drill or tap out holes with a screwdriver.

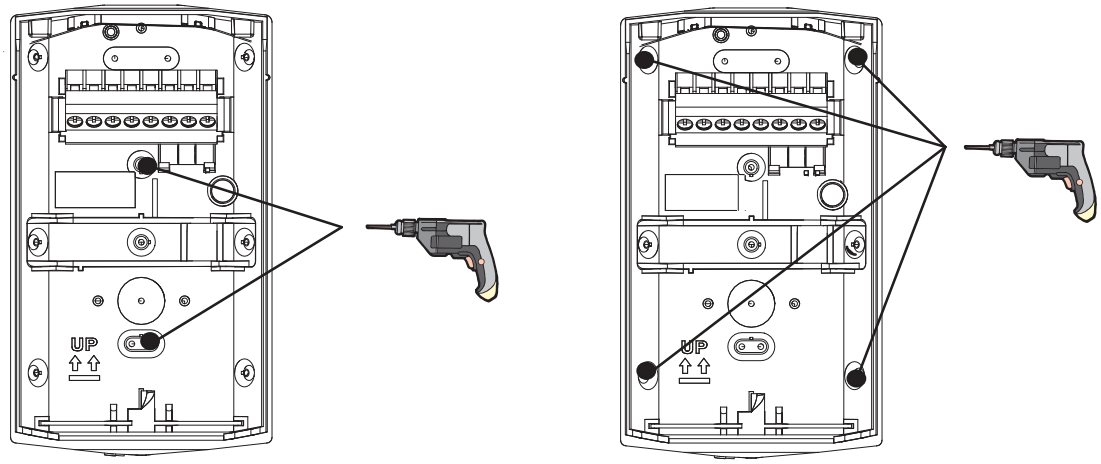


Figure 5.1: Left: wall installation, right: corner installation

Install on a bracket

Mounting brackets help align the detector to a vertical angle and to correct imperfections (non-perpendicular angles) of installation surfaces.

Choosing a mounting bracket:

- The B335 bracket allows a vertical pivot range of +10° to -20° and a horizontal pivot range of ±25°.
- The B328 bracket installs on a single-gang box and allows rotation of the detector. The bracket allows you to insert the wiring through the black tube section in the center of the bracket mounting plate and through the back of the detector base.
- The B338 bracket designed for ceiling mounting allows a vertical pivot range of +7° to -16° and a horizontal pivot of ±45°. The bracket allows you to insert the wiring through the ceiling cavity and into the detector base.

When using a mounting bracket, pre-drill or tap out all of the mounting holes shown for that bracket in the following figure.

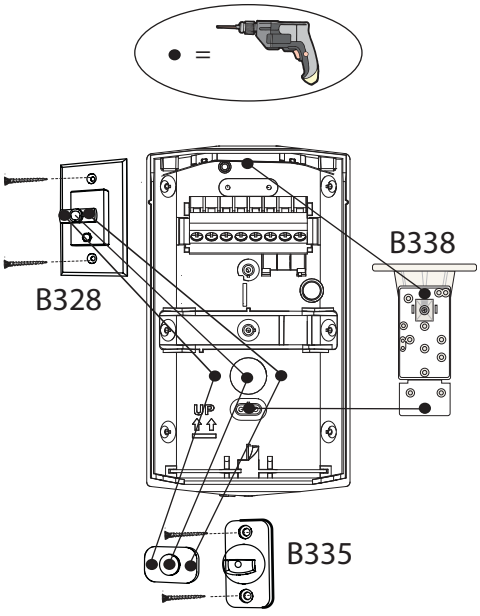


Figure 5.2: Installation holes used with optional brackets

Notice!

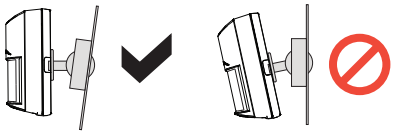
Using a mounting bracket might reduce catch performance.

Always install the detector within the recommended installation height, with or without a mounting bracket.

Brackets are not investigated by UL.

Brackets are not EN50131 compliant.

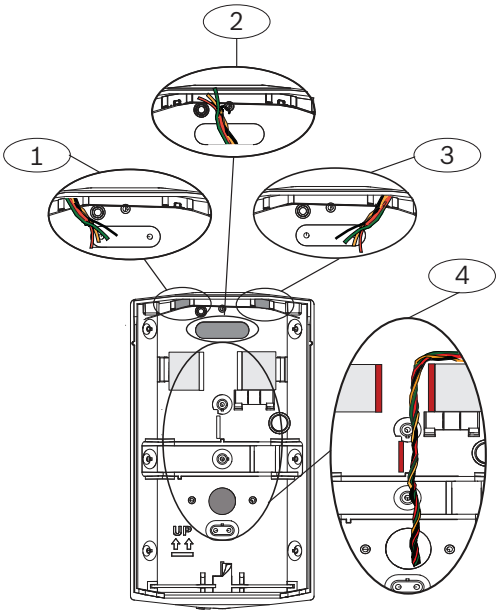
Notice!



Do not use the bracket to tip the detector vertically, unless you intend to compensate for a non-vertical surface. It may cause false alarms or reduced catch performance.

5.3 Wire knockouts

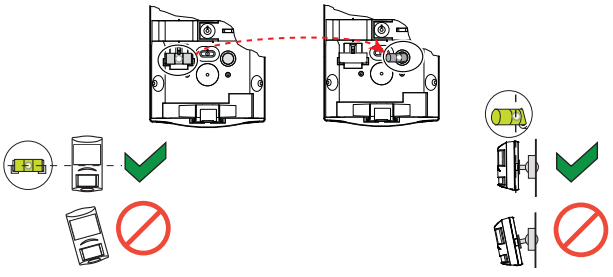
Use the figure to determine the knockouts to use for installation locations.



Callout ▯ Description
1 ▯ Surface wiring knockout, detector's left side
2 ▯ Through-the-wall wiring knockout
3 ▯ Surface wiring knockout, detector's right side
4 ▯ Through-B328-bracket wiring knockout*
* If you use the bracket mount knockout for wires, run the wires between the walls marked in red in the figure. With the wiring between the walls and behind the terminal block, other features, such as EOL resistor jumper pins, cannot interfere with or puncture the wires.

5.4 Bubble level

The detector's coverage pattern performs best when the detector is installed vertically and is level both vertically and horizontally. The detector base includes a removable bubble level which helps you align the unit. Use the bubble level to align the detector before drilling holes.



- Put the detector base on the surface and install it in place using one screw only. Do not over-tighten the screw.
- Make sure the base is level from side to side.
- Remove the bubble level and place it into the round cavity on the right side of the base. Make sure the base is level and not tipped forwards or back.

- Make adjustments until the base is level, and mark the remaining surface hole locations.
- Remove the bubble level and place it back to its original position.

Notice!
Do not leave the bubble level in the circular holder. You cannot properly place the detector body onto the mounting base with the bubble level in the circular holder.

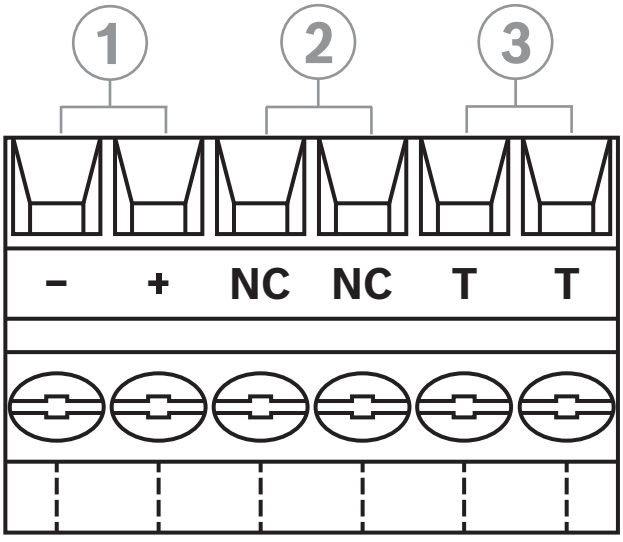
- Install the remaining screws.

6 Wiring

Caution!
Apply power only after you have made and inspected all connections. Do not coil excess wiring inside the motion detector.

6.1 Wiring overview

Terminal block strip



Callout	Description
1	Input power terminals. Voltage limits are 9 to 15 VDC. Use no smaller than 0.4 mm (26 AWG) wire pair between the detector and the power source.
2	Alarm terminals. Solid State output. Normally closed relay rated at 25 VDC, <35 mA. Do not use with capacitive or inductive loads.
3	Tamper terminals. Normally closed switch rated at 25 VDC, <35 mA. PF=1

6.1.1 Input Power terminals

Use only an approved limited power source.

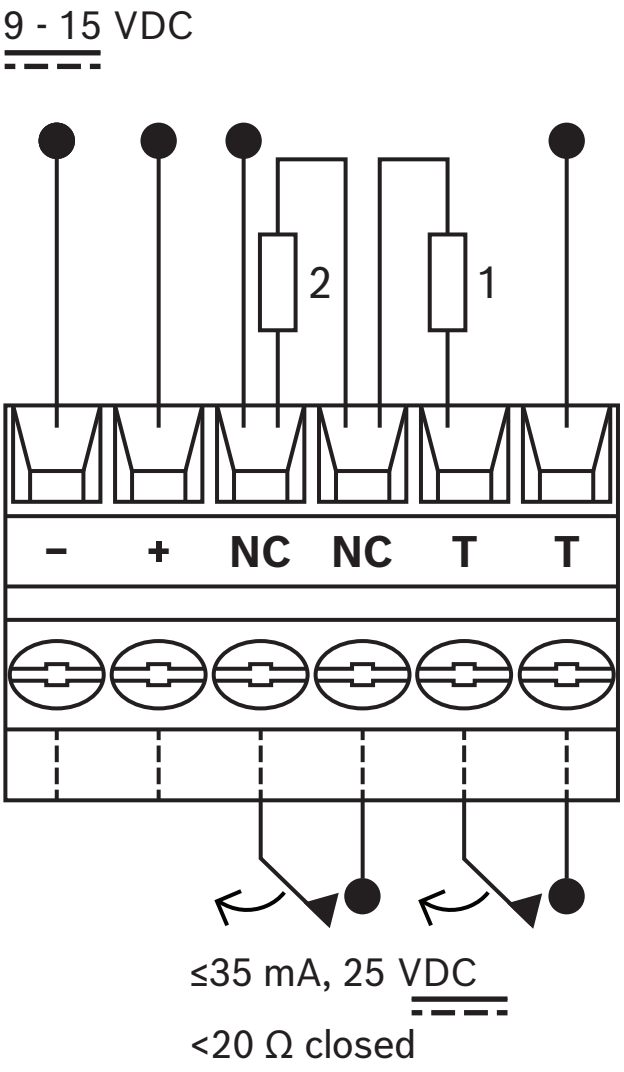
6.1.2 Alarm terminals

- Normally closed solid state voltage-free (dry contact) relay. The contacts are closed (shorted) during warm-up and during normal operation when no alarm is detected, or if only one technology (PIR or Microwave) is active.
- The alarm contacts change to open status under the following conditions:
  - Insufficient input power
  - Motion alarm condition (both PIR and microwave activity)

6.1.3 Tamper terminals

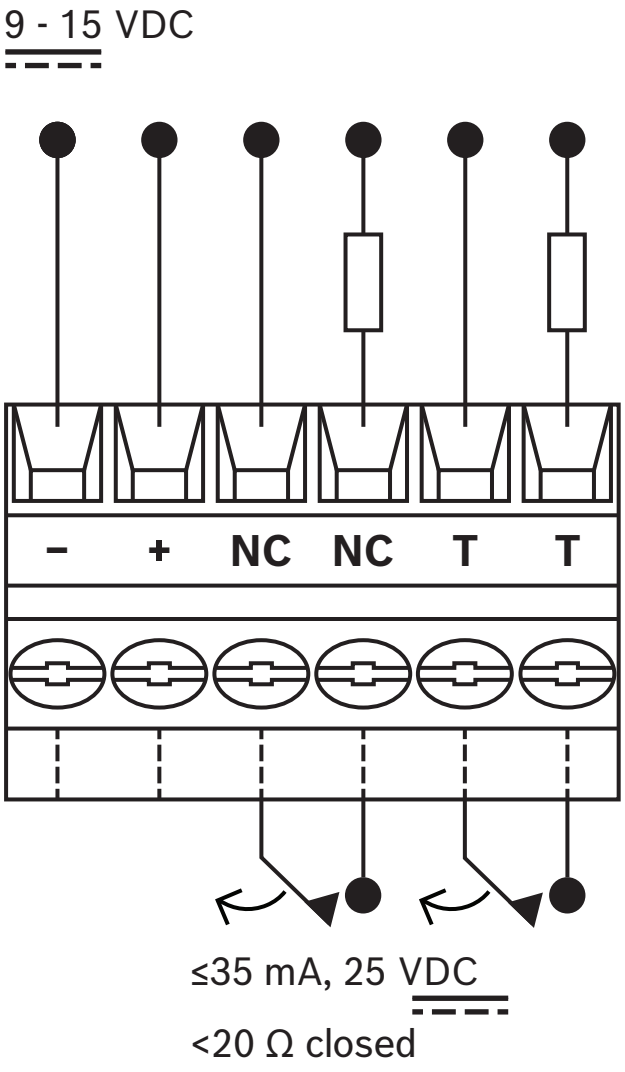
- Normally closed voltage-free (dry contact) switch. The tamper terminals change to an open state if the detector separates from the mounting base or if the motion detector is removed from the mounting surface.

6.1.4 Wiring option 1



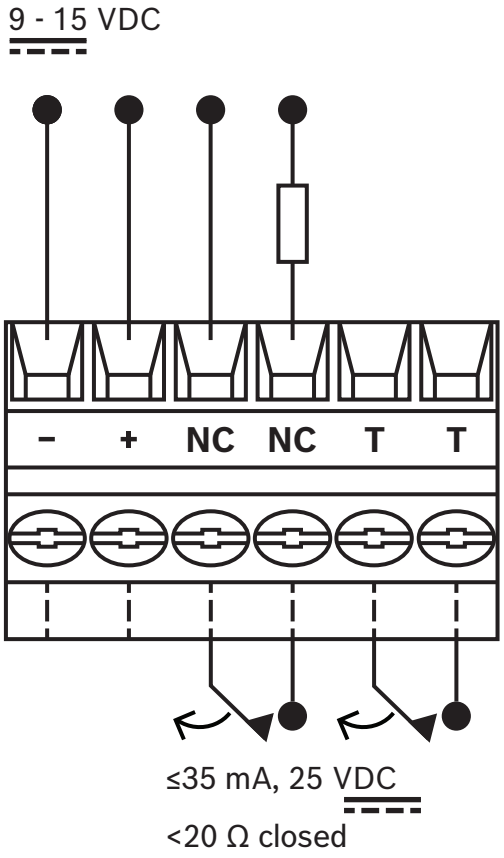
Normal (Supervised) = 1
Alarm = 1+2
Tamper = Open

6.1.5 Wiring option 2



Normal (Supervised)
Alarm = Open
Tamper = Open

6.1.6 Wiring option 3



Normal (Supervised)
Alarm = Open
Tamper = Not used

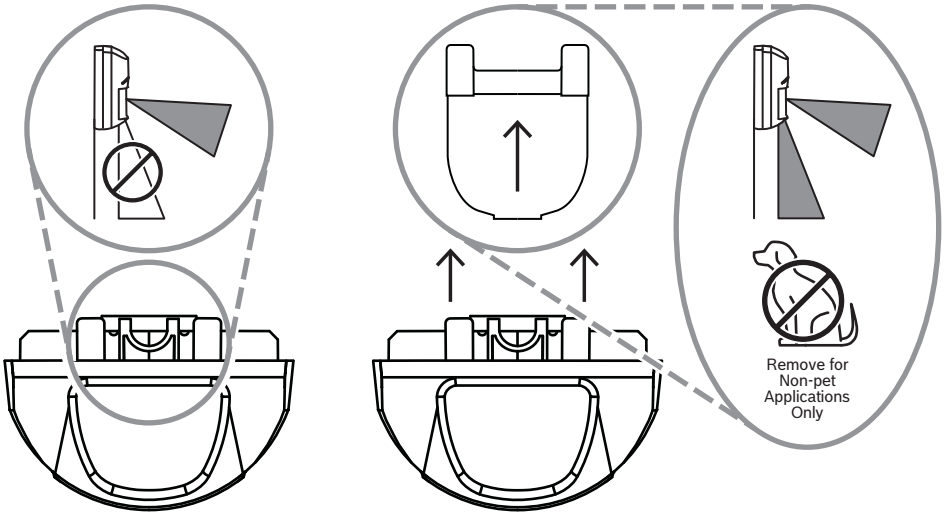
7 Configuration and walk test

Before placing the detector body on the base, and before performing a walk test, configure the features and options located on the detector body.

7.1 Paper look-down activation (ISC-BDL2-W12G/WP12G/W12HE/WP12HE)

The detector has a paper pull-out tab to enable or disable the look-down zone. This is especially useful when small pets are on the premise. To activate the look-down zone:

1. Locate the paper tab on the detector body.
2. Pull the paper tab until the whole paper tab is removed from the detector look-down lens.



7.2 Look-down zone (ISC-BPQ2-W12, ISC-BPR2-W12/WP12)

The detector has a manual cam to enable or disable the look-down zone. Enable the look-down zone to detect motion under the detector area.

To reduce false alarms, disable the look-down lens for locations where small animals are likely to cross the look-down zone.

Turn left to disable the look-down zone. Turn right to enable the look-down zone.

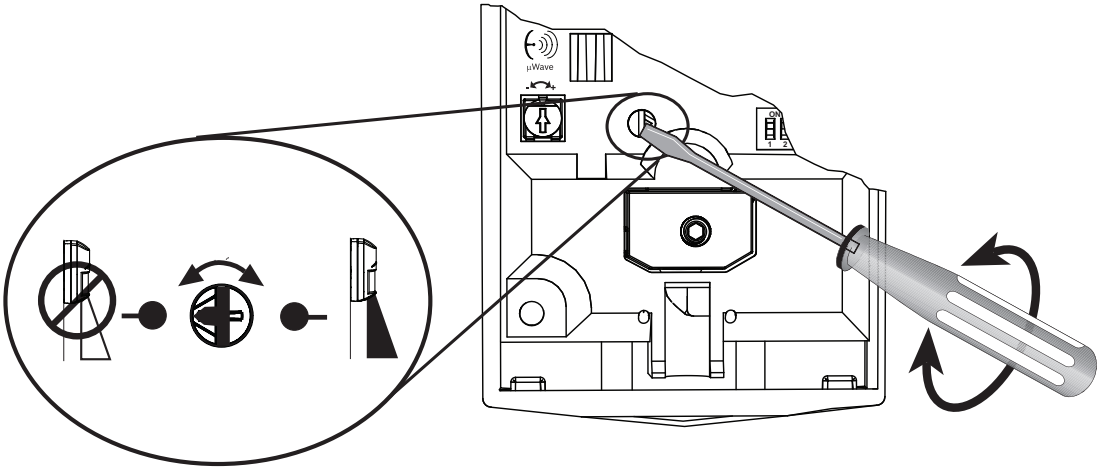
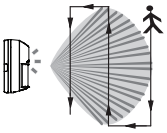


Figure 7.1: Setting the optional look-down zone

7.3 Walk test LED (ISC-BDL2-W12x/WP12x/ISC-BPR2-W12x/WP12x)

The walk test LED indicates the detector's operational status.

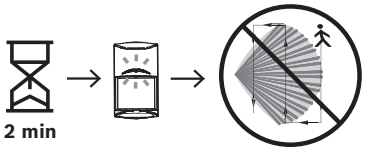
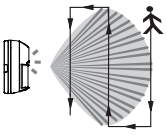
	During the warm-up period (after providing power to the device), the LED flashes continuously until the device is ready for use. **Do NOT** walk through the field until after 2 minutes have passed.
	During walk test, the LED indicates PIR and microwave activity and also a motion alarm condition (dual alarm).

Notice!
Some regulations require that you disable the LED after the walk test.

7.4 Walk test ISC-BPQ2-W12

Notice!
Some regulations require that you disable the LED after the walk test.

The walk test LED indicates the detector's operational status.

	During the warm-up period (after providing power to the device), the LED will be ON for a period of 2 minutes. **Do NOT** walk through the field until after 2 minutes have passed.
	During walk test, the LED indicates PIR and microwave activity and also a motion alarm condition (dual alarm).

7.5 Walk test

7.5.1 Establish the PIR and microwave coverage

The motion detector PIR and microwave factory settings are optimal for most installations. If you must adjust the PIR and microwave coverages, use the microwave potentiometer and walk test to do so.
Preparing for the PIR and microwave walk test:

1. Remove the motion detector body from the base.
2. Turn the microwave potentiometer to the minimum range (to the left, counterclockwise).
3. Place the motion detector body onto the base.
4. Wait at least 2 minutes.

Performing the walk test and making adjustments:

1. Begin the walk test and observe the walk test LED.

2. If you do not observe LED activity while walking along the farthest edge of the desired coverage area, increase the microwave range. Remove the motion detector body from the base and increase the range by turning the potentiometer clockwise. (Refer to Adjustable microwave sensitivity for detailed instructions.)
3. Place the motion detector body onto the base.
4. Wait at least 2 minutes.
5. Repeat walk test procedures and range increase until the PIR and microwave detection range is as desired.
6. If on the last walk test, you observe LED activity while walking outside the coverage area, decrease the microwave range and repeat the walk test.

Notice!
Do not adjust the microwave range higher than required. Doing so might cause the motion detector to catch movement outside of the intended coverage pattern.
Microwave signals penetrate certain surfaces such as drywall, wood, and glass. If the protected area is significantly smaller that the motion detector's nominal range, reduce the microwave range so that it can still detect motion on the near side, but not on the other side of the surface.

7.5.2 Establish the coverage pattern

Notice!
Wait at least 10 seconds between the tests listed in this section.

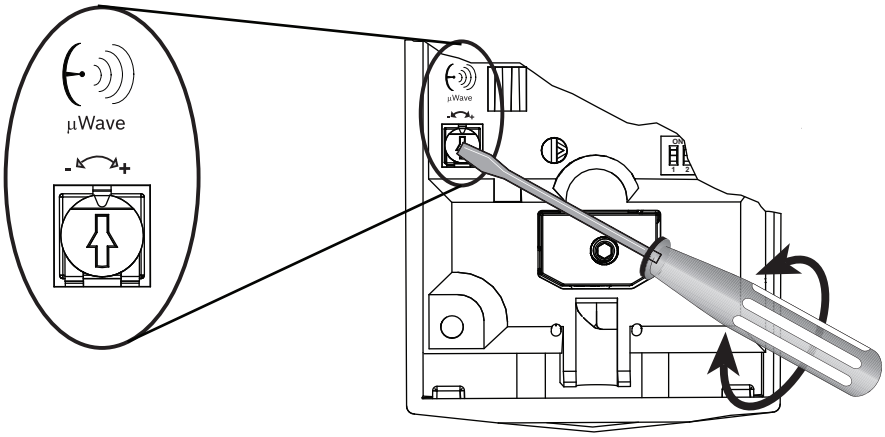
1. Place the detector body onto the base.
2. Wait at least 2 minutes after placing detector body onto base.
3. Walk test across the coverage pattern at its farthest edge, then several times closer to the detector.
4. Start walking from outside of the intended protection area, and observe the LED.
5. Walk test from the opposite direction across the pattern to determine both boundaries. The center of the pattern should be pointed toward the center of the intended protection area.
6. Walk test the unit from all directions across the pattern to determine all the detection pattern boundaries.

7.5.3 Adjustable microwave sensitivity

The motion detector has a microwave sensitivity adjustment potentiometer. Use this feature to adjust the microwave detection range, if necessary.

Notice!
The product ships with the potentiometer pre-set to meet the rated range. In most cases, you do not need to adjust the potentiometer during the installation. You might adjust the potentiometer, as instructed, to reduce the potential for false alarms or for very large rooms.

The following figure shows how to adjust the setting using the potentiometer. Turn counterclockwise to reduce sensitivity.



7.5.4 Self-test

The motion detector performs a routine microwave self-test every 7 hours, verifying the operability of the microwave circuit. If the microwave self-test fails, the motion detector goes into a PIR only mode.

8 Troubleshooting

This section includes trouble conditions and the potential causes.

8.1 Detector does not appear to respond to motion

Potential causes

- Insufficient power
- Loose wires in the terminals
- Cabling or wiring error
- Defective unit
- Walk test LED is disabled

8.2 Detector is in continuous alarm

Potential causes

- Mounting location does not meet the recommendations listed in this document
- Insufficient power
- Input loop continuity broken
- Incorrect alarm loop resistance configuration
- Defective unit

8.3 Detector appears normal but does not send alarms to the control panel

Potential causes

- Incorrect alarm loop resistance configuration
- Incorrect alarm loop wiring

8.4 Detector does not appear to detect motion in the space directly under it

Potential causes

- The look-down zone is disabled
- MW Crosstalk: two devices or more are installed very close to each other (<3 ft) or are facing each other (<20 ft).

8.5 Detector does not appear to detect motion in the farther section of the coverage area

Potential causes

- Microwave range is too short

8.6 Detector does not appear to detect motion near the edge of the coverage area

Potential causes

- Microwave range too short
- Mounting height does not meet the recommendation listed in this document
- Level alignment does not meet the requirement noted in this document

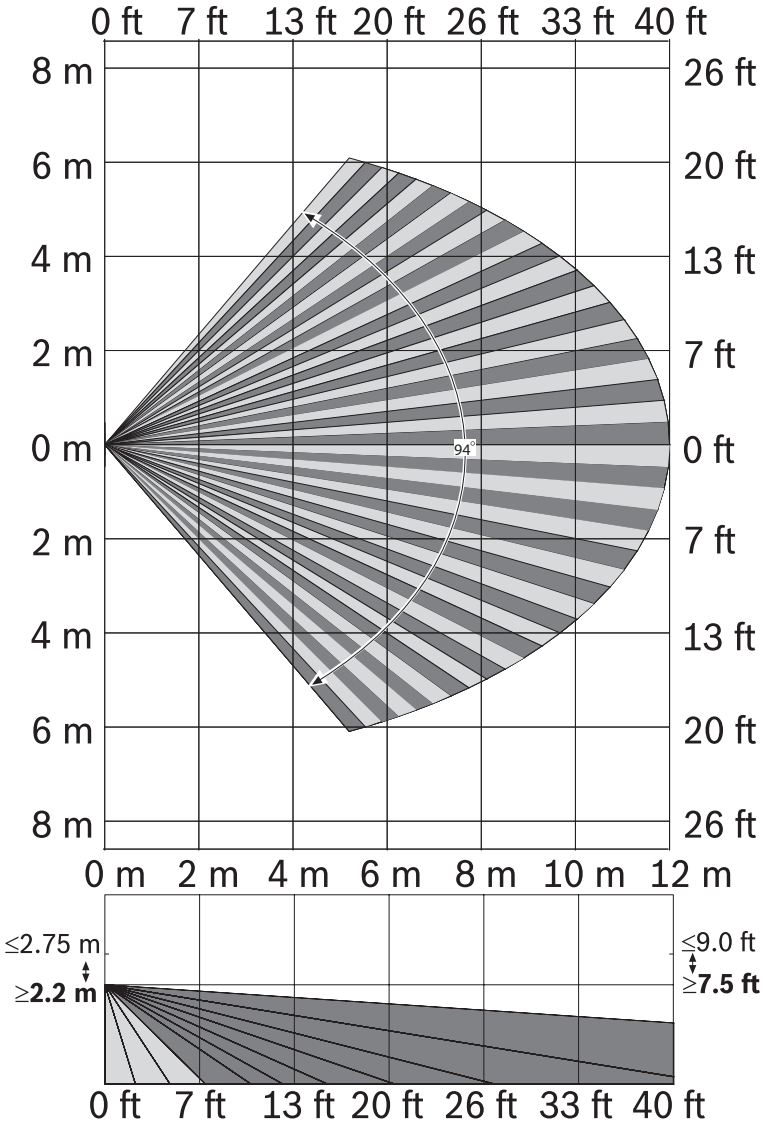
8.7 Detector LED flashes continuously

Potential causes

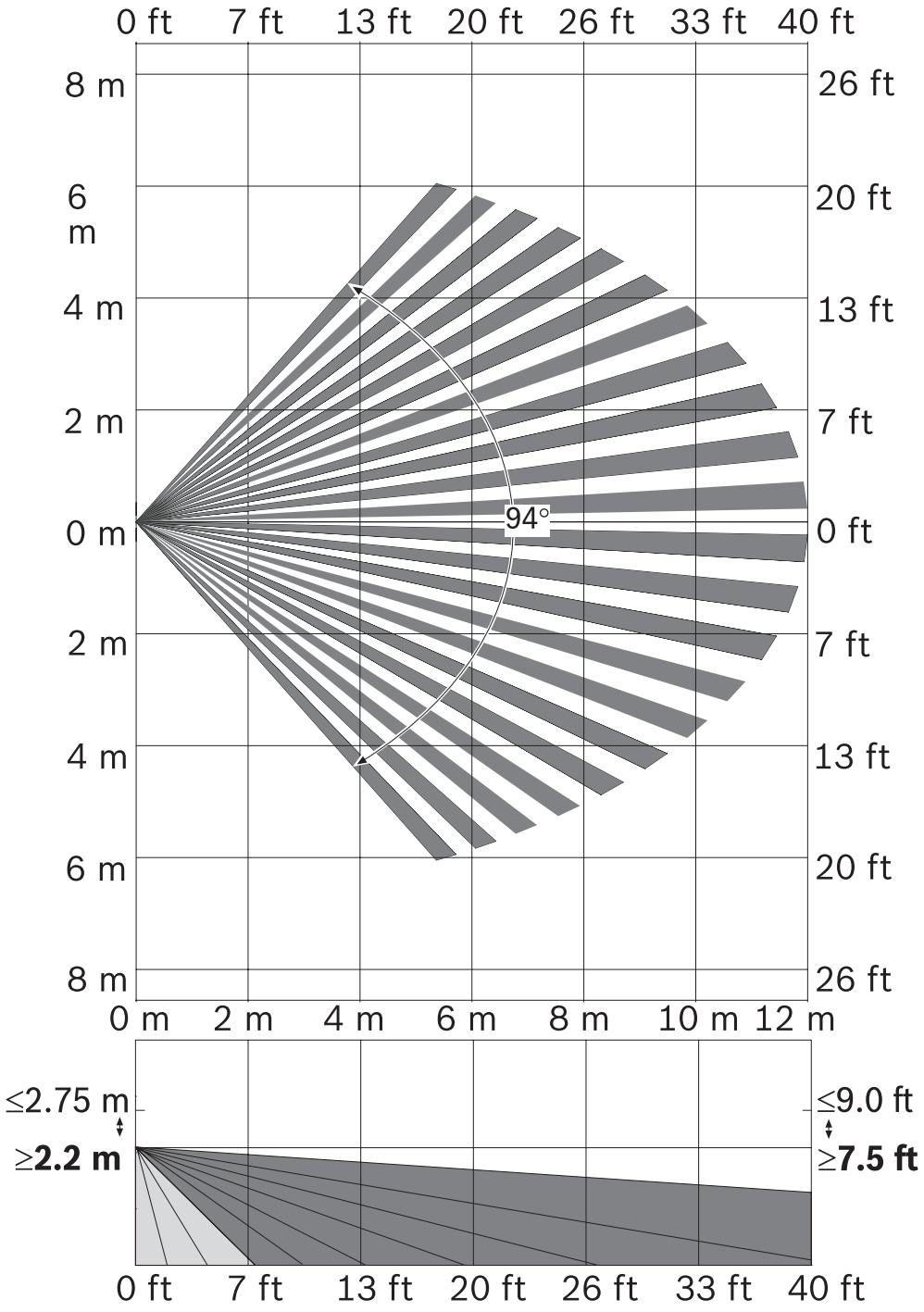
- Warm-up mode requires a certain amount of time with no motion in the area to settle the PIR and microwave circuit
- Defective unit

9 Coverage patterns

9.1 ISC-BPQ2-W12

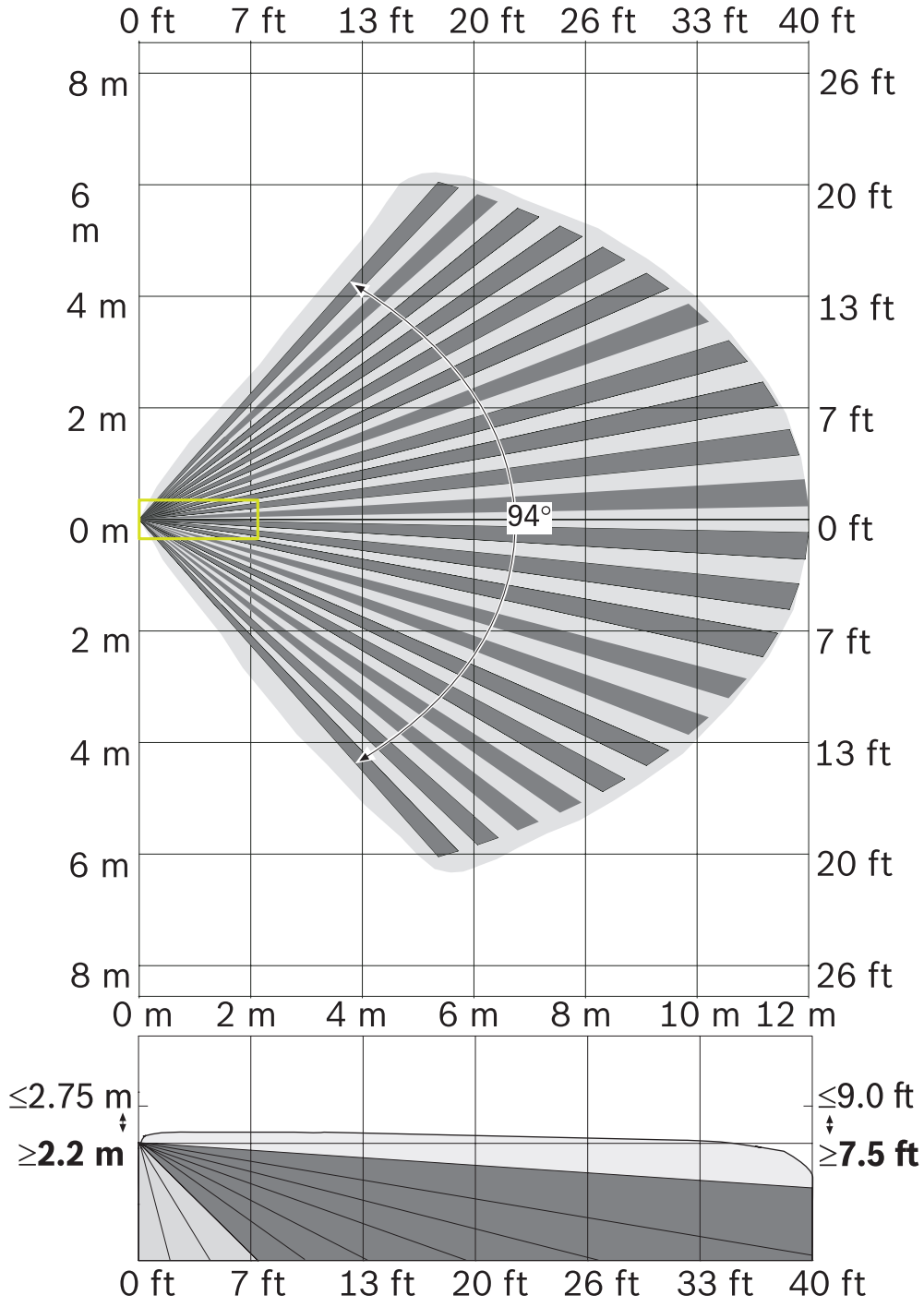


9.2 ISC-BPR2-W12/WP12



9.3 ISC-BDL2-W12x/WP12x

ISC-BDL2-W(P)-12G
ISC-BDL2-W(P)-12HE



10 Specifications

10.1 ISC-BPQ2-W12

Dimensions	61 mm x 105 mm x 44 mm (2.4 in x 4.2 in x 1.7 in)
Voltage (operating)	9 to 15 VDC 9-15 Vcc de 10 mA @ 12 Vcc (CNPP: en veille/en alarme, source limitée en puissance, ondulation résiduelle 1 V.)
Current (max)	Standby:10 mA at 12 VDC Alarm: 7 mA
Alarm relay/Tamper	≤35 mA, 25 VDC, PF=1
Wiring loops	Ø 1.29 mm to 0.40 mm (16 AWG to 26 AWG) (UL: 22 AWG to 16 AWG)
	-20°C to + 55°C (-4°F to + 130°F) -10°C to + 55°C (EU)
	0 - 95% Relative humidity non-condensing

10.2 ISC-BPR2-W12/WP12

Dimensions	61 mm x 105 mm x 44 mm (2.4 in x 4.2 in x 1.7 in)
Voltage (operating)	9 to 15 VDC 9-15 Vcc de 10 mA @ 12 Vcc (CNPP: en veille/en alarme, source limitée en puissance, ondulation résiduelle 1 V.)
Current (max)	Standby: 10 mA at 12 VDC Alarm: 7 mA
Alarm relay/ Tamper	≤35 mA, 25 VDC, PF=1
Wiring loops	Ø 1.29 mm to 0.40 mm (16 AWG to 26 AWG) (UL: 22 AWG to 16 AWG)
	-20°C to + 55°C (-4°F to + 130°F) -10°C to + 55°C (EU)
	0 - 95% Relative humidity non-condensing

10.3 ISC-BDL2-W12x/WP12x

Dimensions	61 mm x 105 mm x 44 mm (2.4 in x 4.2 in x 1.7 in)
Voltage (operating)	9 to 15 VDC 9-15 Vcc de 10 mA @ 12 Vcc (CNPP: en veille/en alarme, source limitée en puissance, ondulation résiduelle 1 V.)
Current (max)	Standby: 10 mA at 12 VDC Alarm: 7 mA
Alarm relay/ Tamper	≤35 mA, 25 VDC, PF=1
Wiring loops	Ø 1.29 mm to 0.40 mm (16 AWG to 26 AWG) (UL: 22 AWG to 16 AWG)
	- 20°C to + 55°C (- 4°F to + 131°F) - 10°C to + 55°C (EU) + 5°C to + 40°C (UK) ISC-BDL2-WP12HE, ISC-BDL2-W12-HE
	0 - 95% Relative humidity non-condensing

11 Certifications

11.1 ISC-BPQ2-W12

UL/ C-UL	Perform Walk Test at least once a year. Pet immunity (WP models) not tested by UL / C-UL. Use only a Listed Class 2 Power Limited power source. Standby power: The Listed control unit or a listed burglary power supply must provide 4 hours of standby power. Install the unit in accordance with National Electrical Code NFPA 70 and Part 1 of the Canadian Electrical code CSA C22.1.
FCC/IC	This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device
	Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Region	Agency	Certification
US/ CA	UL, C-UL	UL639, C-UL S306-03 LISTING Intrusion Detection Unit, Type: S.
EU	CE	CE - EMC 2014/30/EU, LVD 2014/35/EU, RoHS [ISC-BPQ2-W12]
	EN	EN50131-2-2 Grade 2 EN50130-5 Class II EN60529, EN50102 (IP30, IK04) Complies with Directive 2011/65/EU & 2015/863 - Restriction of the use of certain Hazardous Substances (RoHS)
BE	INCERT	B-509-0051
BG	GD FSPP	[ISC-BPQ2-W12]
FR	AFNOR & CNPP	Certificat NF A2P 2620200002 [ISC-BPQ2-W12] NF (AFNOR): www.marque-nf.com A2P (CNPP): www.cnpp.com Autosurveillance à l'ouverture Immunité champ magnétique. Test sans masque de vision vertical et sans immunité aux animaux
SE	SBSC	Alarm Class 2 Environmental Class II SSF 1014 26-117 [ISC-BPQ2-W12]

11.2 ISC-BPR2-W12/WP12

UL/ C-UL	Perform Walk Test at least once a year. Pet immunity (WP models) not tested by UL / C-UL. Use only a Listed Class 2 Power Limited power source. Standby power: The Listed control unit or a listed burglary power supply must provide 4 hours of standby power. Install the unit in accordance with National Electrical Code NFPA 70 and Part 1 of the Canadian Electrical code CSA C22.1.
FCC/IC	This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device
	Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Region	Agency	Certification
US/ CA	UL, C-UL	UL639, C-UL S306-03 LISTING Intrusion Detection Unit, Type: S.
		[ISC-BPR2-W12, ISC-BPR2-WP12]
EU	CE	CE - EMC 2014/30/EU, LVD 2014/35/EU, RoHS [ISC-BPR2-W12, ISC-BPR2-WP12] EN 50131-2-2 Grade 2 EN 50130-5 Environmental Class II IP30 IK04 (EN 60529, EN 50102)
	EN	EN50131-2-2 Grade 2 [ISC-BPR2-W12, ISC-BPR2-WP12] Complies with Directive 2011/65/EU & 2015/863 - Restriction of the use of certain Hazardous Substances (RoHS)
BE	INCERT	B-509-0051
BG	GD FSPP	GODKJENNELSESBEVIS [ISC-BPR2-W12, ISC-BPQ2-W12, ISC-BPR2-WP12, ISC-BDL2-W12, ISCBDL2-WP12]
FR	AFNOR & CNPP	Certificat NF A2P 2620200001 [ISC-BPR2-WP12] NF (AFNOR): www.marque-nf.com A2P (CNPP): www.cnpp.com Autosurveillance à l'ouverture Immunité champ magnétique. Test sans masque de vision vertical et sans immunité aux animaux
SE	SBSC	Alarm Class 2 Environmental Class II

		SSF 1014 26-118 [ISC-BPR2-WP12] 26-119 [ISC-BPR2-W12]

11.3 ISC-BDL2-W12x/WP12x

UL/ C-UL	Perform Walk Test at least once a year. Pet immunity (WP models) not tested by UL / C-UL. Use only a Listed Class 2 Power Limited power source. Standby power: The Listed control unit or a listed burglary power supply must provide 4 hours of standby power. Install the unit in accordance with National Electrical Code NFPA 70 and Part 1 of the Canadian Electrical code CSA C22.1.
FCC/IC	This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device
	Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Region	Agency	Certification
US/ CA	UL, C-UL	UL639, C-UL S306-03 LISTING Intrusion Detection Unit, Type: S. [ISC-BDL2-W12G, ISC-BDL2-WP12G]
	FCC	Part 15 Subpart B & C, Class B. FCC ID: T3X-BLG2B. [ISC-BDL2-W12G, ISC-BDL2-WP12G]
	IC	RSS210. IC ID: 1249A-BLG2B [ISC-BDL2-W12G, ISC-BDL2-WP12G]
EU	CE	CE - 2014/53/EU (RED), 2011/65/EU and 2015/863 (RoHS) [ISC-BDL2-W12G, ISC-BDL2-WP12G, ISC-BDL2-W12HE, ISC-BDL2-WP12HE]
	EN	NF&A2P - EN 50131-2-4 Grade 2 [ISC-BDL2-W12G, ISC-BDL2-WP12G, ISC-BDL2-W12HE, ISC-BDL2-WP12HE] Environmental Class II, IP30 IK04
FR	AFNOR & CNPP	EN50131-2-4 Grade 2, NF324-H58 + RTC 50131-2-4 ISC-BDL2-W12HE: Certificat 2820200003 ISC-BDL2-WP12HE: Certificat 2820200003 NF (AFNOR): www.marque-nf.com A2P (CNPP): www.cnpp.com Autosurveillance à l'ouverture Immunité champ magnétique. Test sans masque de vision vertical et sans immunité aux animaux

SE	SBSC	Alarm Class 2 Environmental Class II SSF 1014 26-121 [ISC-BDL2-W12G] 26-122 [ISC-BDL2-WP12G]

~~AT~~	~~DK~~	~~HU~~	~~LV~~	~~RU~~
~~BE~~	~~EE~~	IE	~~MT~~	~~SE~~
~~BG~~	~~EL~~	~~IS~~	~~NL~~	~~SI~~
~~CH~~	~~ES~~	~~IT~~	~~NO~~	~~SK~~
~~CY~~	~~FI~~	~~LI~~	~~PL~~	~~TR~~
~~CZ~~	FR	~~LT~~	~~PT~~	~~UA~~
~~DE~~	~~HR~~	~~LU~~	~~RO~~	UK

10.575 to 10.60 GHz
< 20 mW

ISC-BDL2-WP12HE
ISC-BDL2-W12HE

~~AT~~	DK	HU	LV	RU
BE	~~EE~~	IE	MT	SE
BG	EL	IS	NL	SI
CH	ES	IT	NO	~~SK~~
CY	FI	LI	PL	~~TR~~
~~CZ~~	~~FR~~	LT	PT	~~UA~~
DE	HR	LU	RO	~~UK~~

10.51 to 10.55 GHz
< 20 mW

ISC-BDL2-WP12G
ISC-BDL2-W12G

Manufacturing dates
For product manufacturing dates, go to www.keenfinity-group.com/xc/en/datecodes/ and refer to the serial number located on the product label.

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