

CAPTURE®
P15-W, Q20-W, D15-W, CQ-W,
CD-W
G2 Motion Detectors
INS879EN-2

09-10-2020

- Manual created
- Changes made PCR01383

Content

- 1.0 Quick installation** 4
 - 1.1 Opening the device 4
 - 1.2 Mounting & Learning 8
 - 1.3 Mode selection 16
 - 1.4 Closing the device 22
 - 1.5 Testing commissioning and LED indications 24
- 2.0 Variants** 27
 - 2.1 CAPTURE P15-W 27
 - 2.2 CAPTURE Q20-W 35
 - 2.3 CAPTURE D20-W 42
- 2.4 CAPTURE CQ-W** 48
 - 2.5 CAPTURE CD-W 51
- 3.0 Accessories** 54
 - 3.1 Branding 55
 - 3.2 Optional wall or ceiling brackets 59
- 4.0 Specifications** 64
- 5.0 Legal information** 66
 - 5.1 Supplier 66
 - 5.2 WEEE Directive 66
 - 5.3 Maintenance 66
 - 5.4 Warranty 67
 - 5.5 Battery safety 67

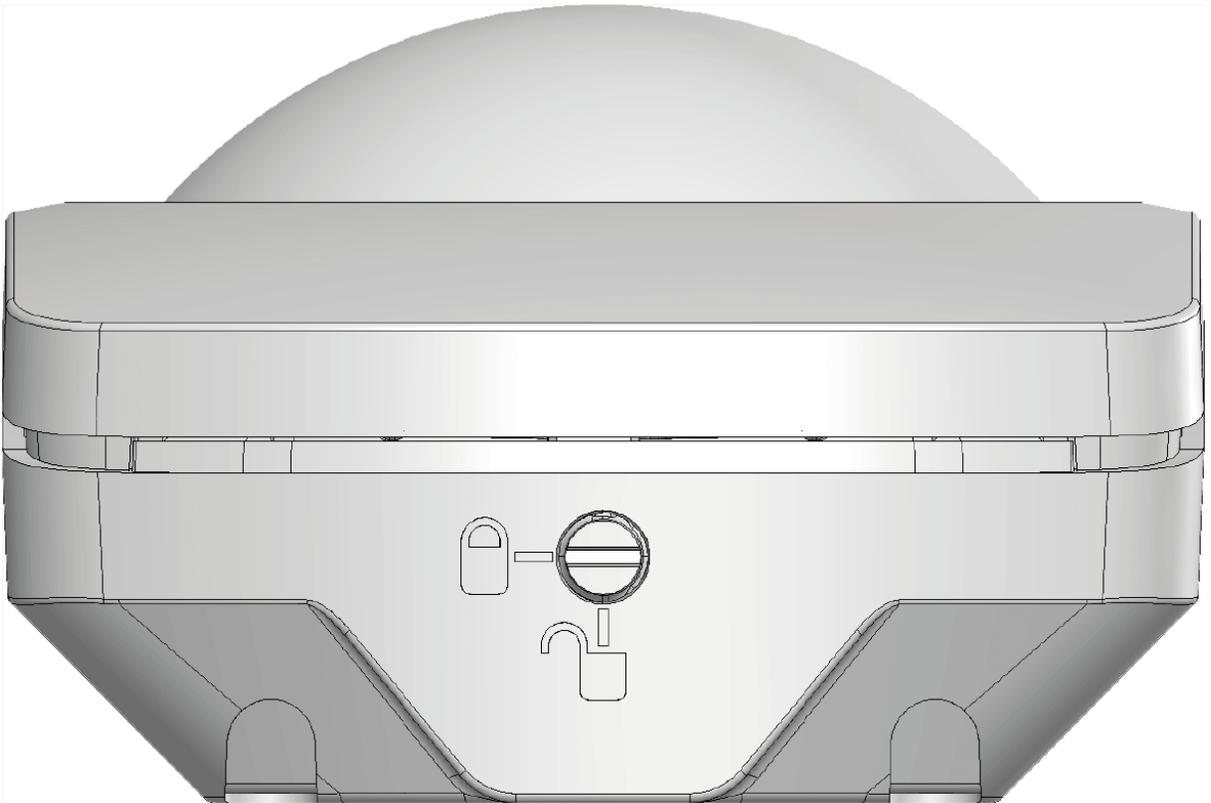
1.0 Quick installation

1.1 Opening the device

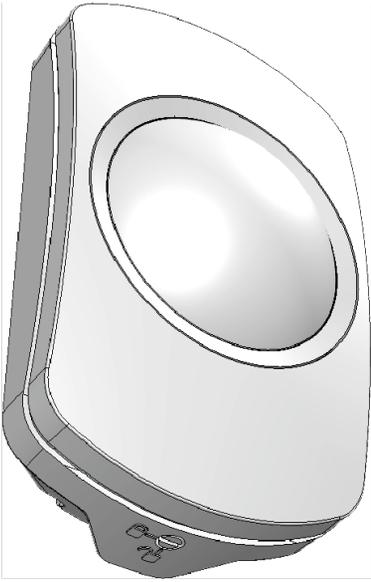
The devices are supplied in the unlocked position. If locked;

- Use a flat bladed terminal driver and turn the locking mechanism $\frac{1}{4}$ turn anti-clockwise.
- Slide the front down and towards you to remove.
- For ceiling mount devices remove the facia by turning it anti-clockwise, and then unlock as above.

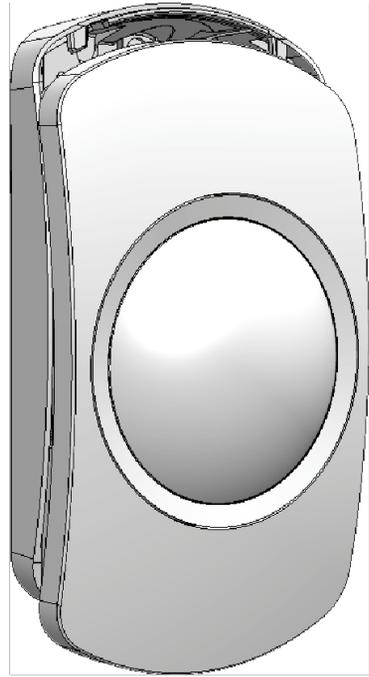
Locking mechanism



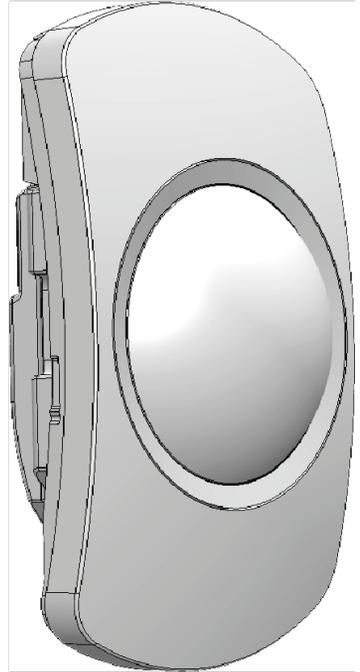
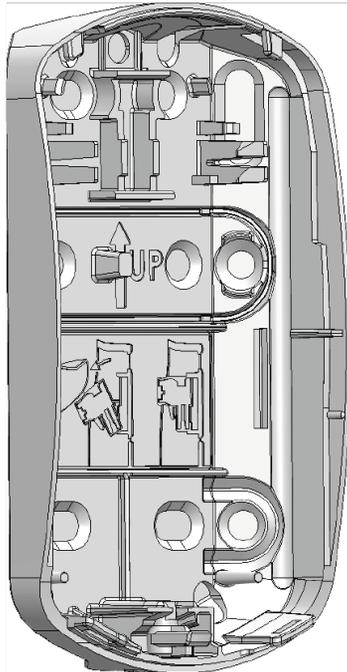
Opening the device



2

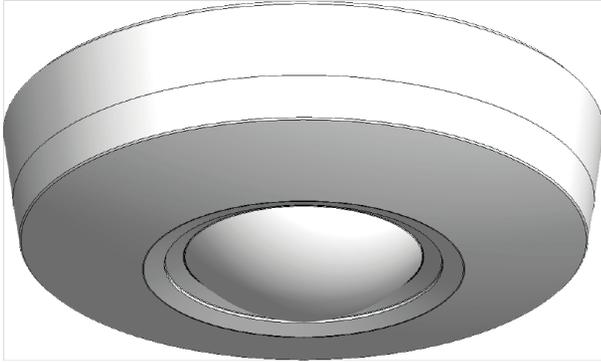


3

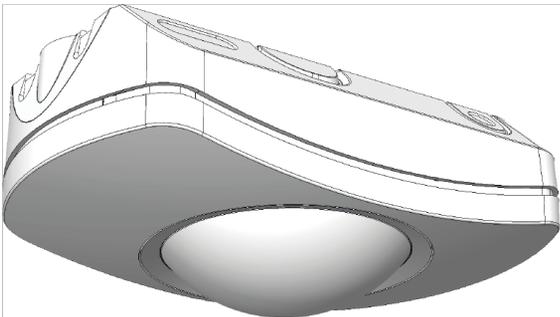
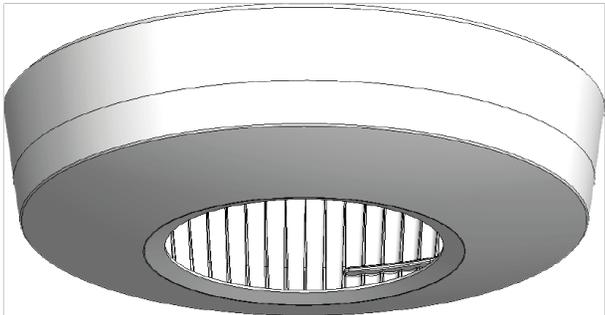


Ceiling facia removal

1 



2 



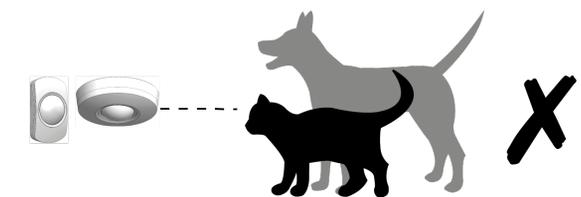
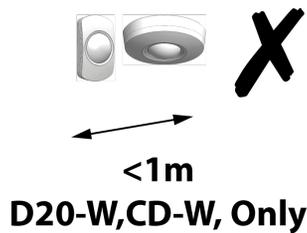
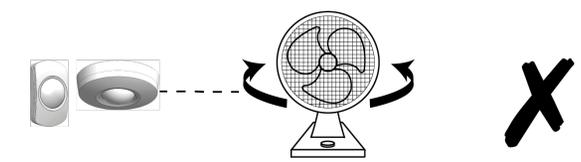
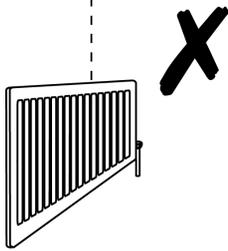
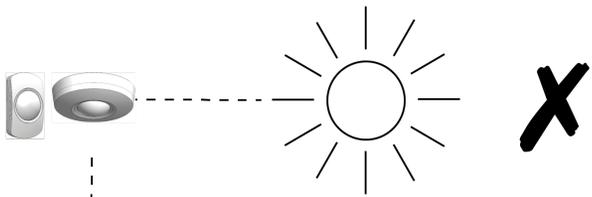
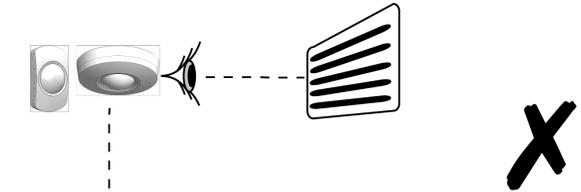
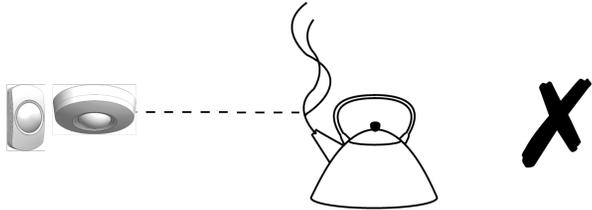
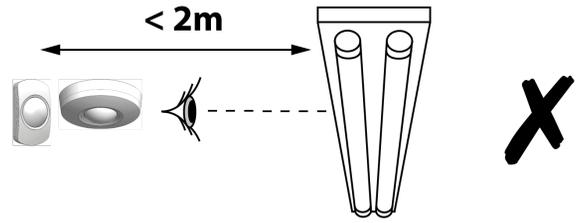
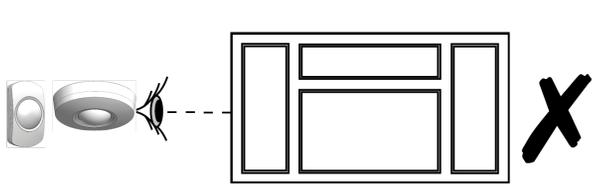
1.2 Mounting & Learning

Location

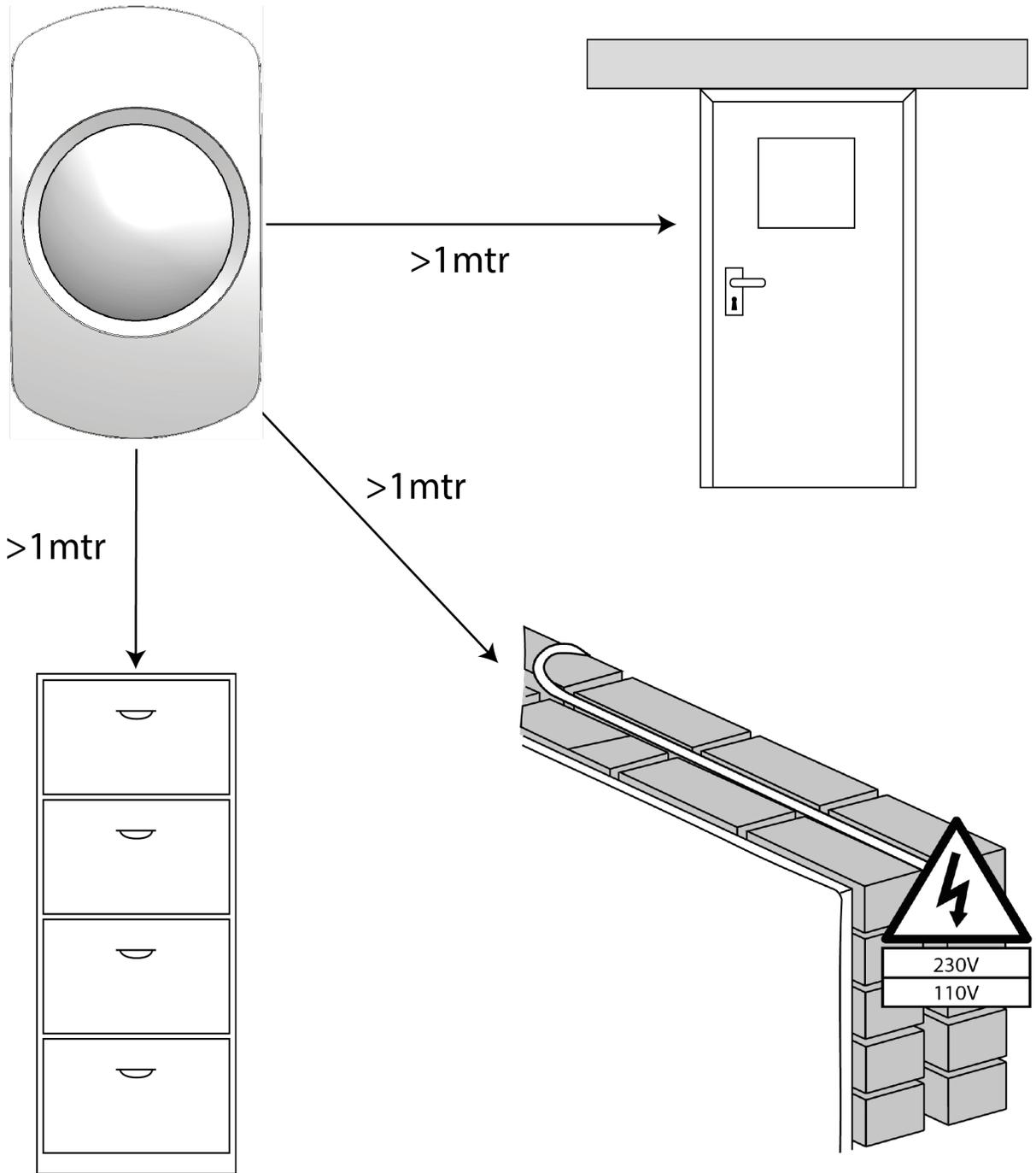
Ensure you have the correct device for the intended application, and that it is sited correctly in the desired location. The field of view should be free from obstacles and any potential false alert causes.

Devices should be mounted on stable internal surfaces and are NOT suitable for use externally.

Avoid common false alert causes



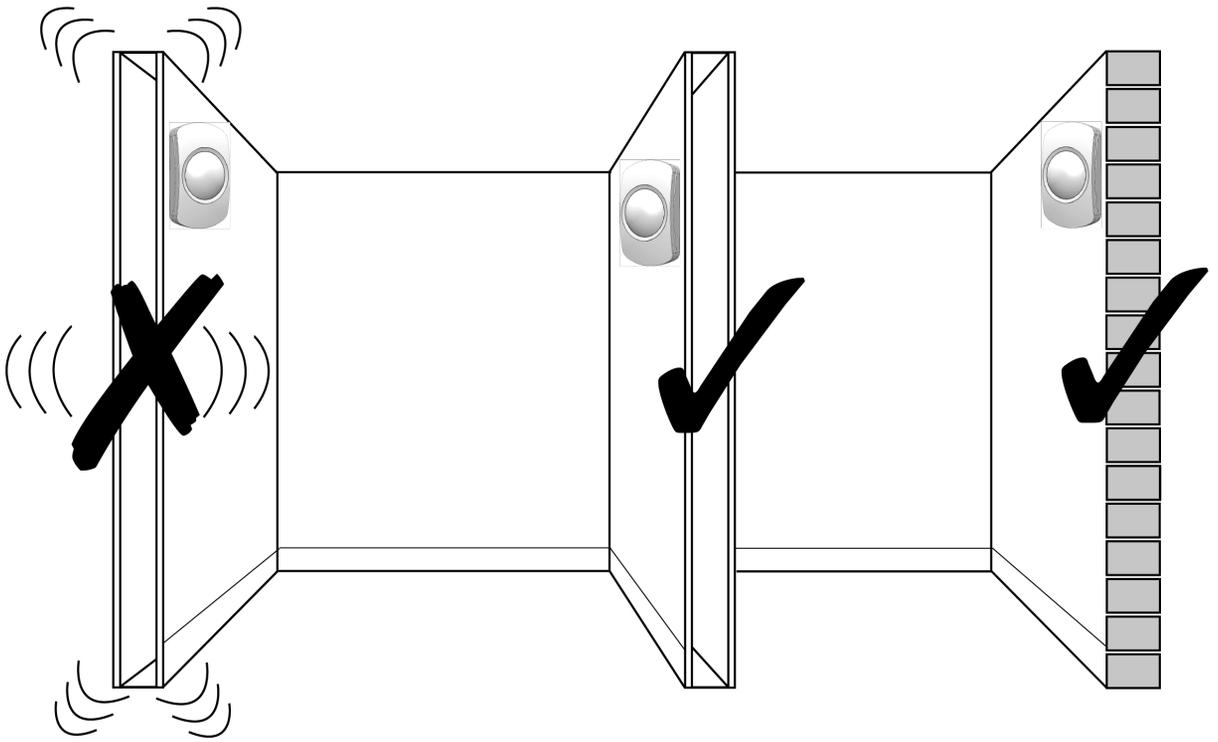
CQ-W,CD-W Only



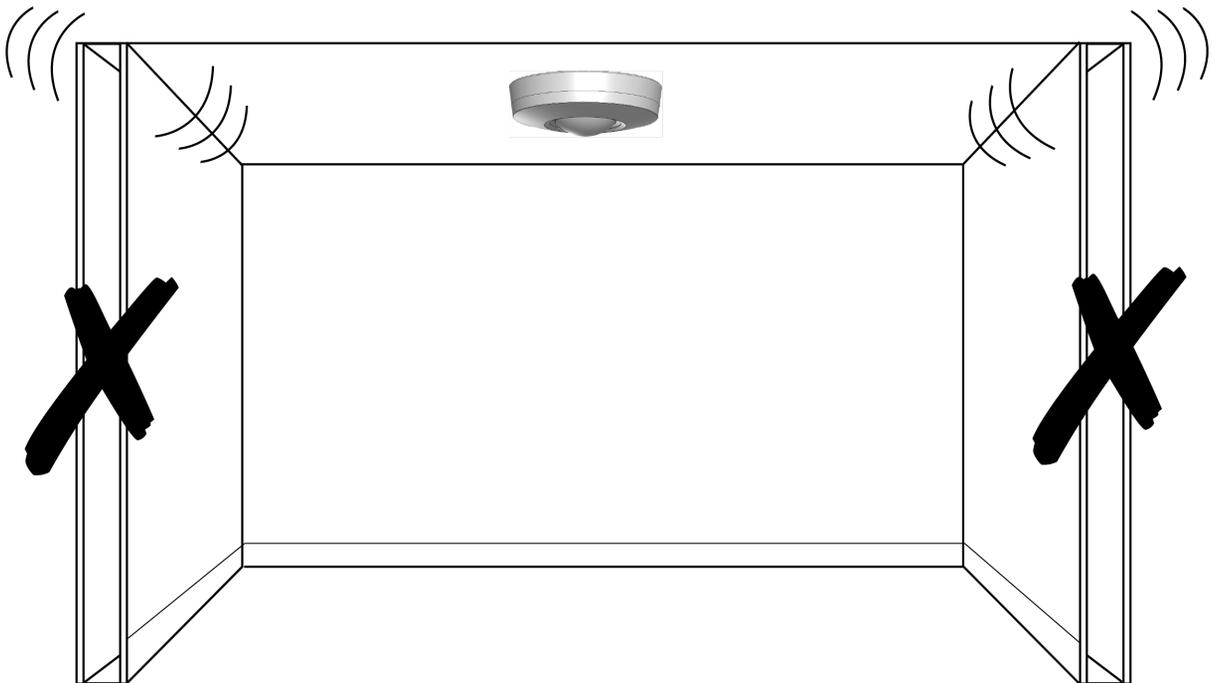
Ensure the devices field of view is not obstructed



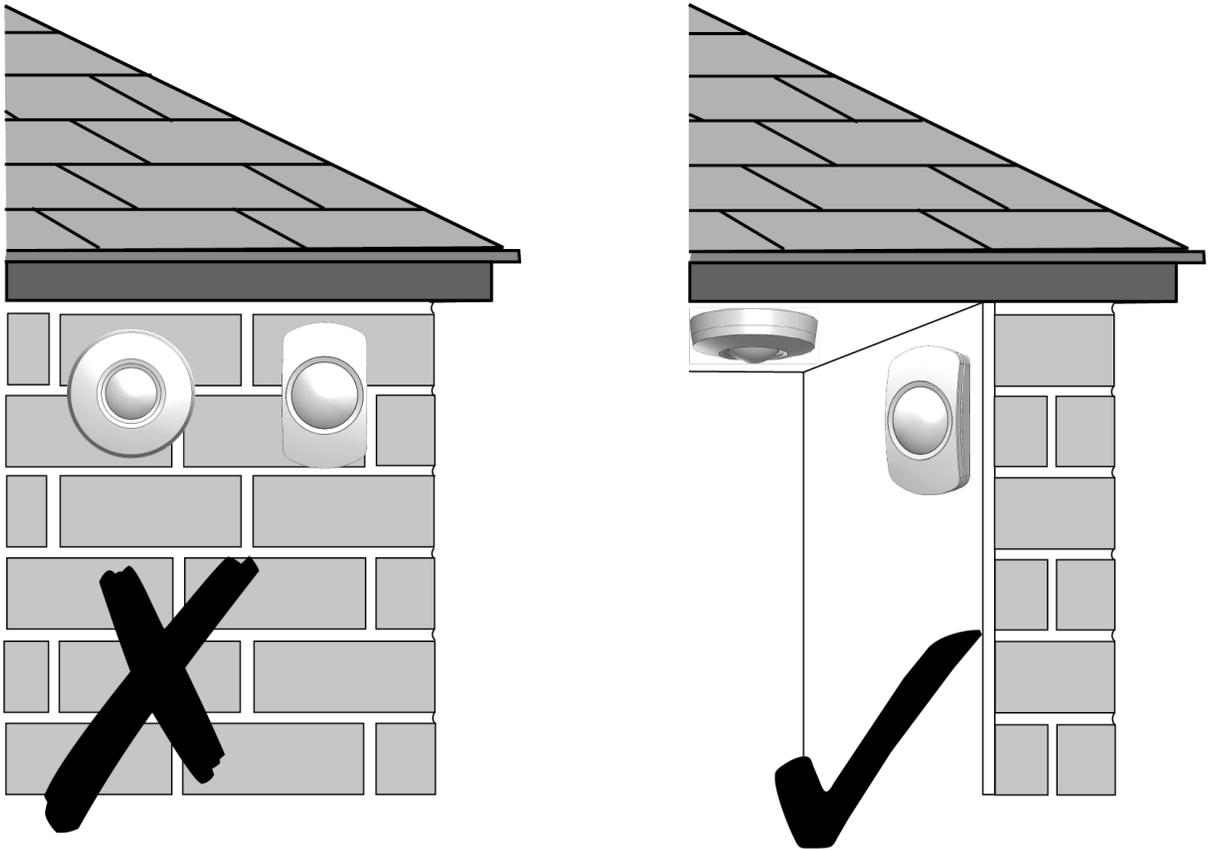
Install on a flat stable surface only



Ensure surrounding structures are stable



For internal use only



Screws & Fixings

A minimum of 2 opposing fixing holes should be used to ensure maximum stability. When corner mounting care should be taken to ensure the chassis is not twisted, if the corner is uneven then two fixings on the same side would be acceptable. Where removal from mounting detection is required you must ensure that the tamper fixing is opposite to at least one of the corner or wall fixings.

Dependent on the mounting substrate, suitable fixings may be required. The size and type will depend on the choice of fixing screw.

- Minimum screw size 3.5 X 16mm CSK
- Maximum screw size 4.0 X 70mm CSK

Learning

The device should be learned before placing in its final location.

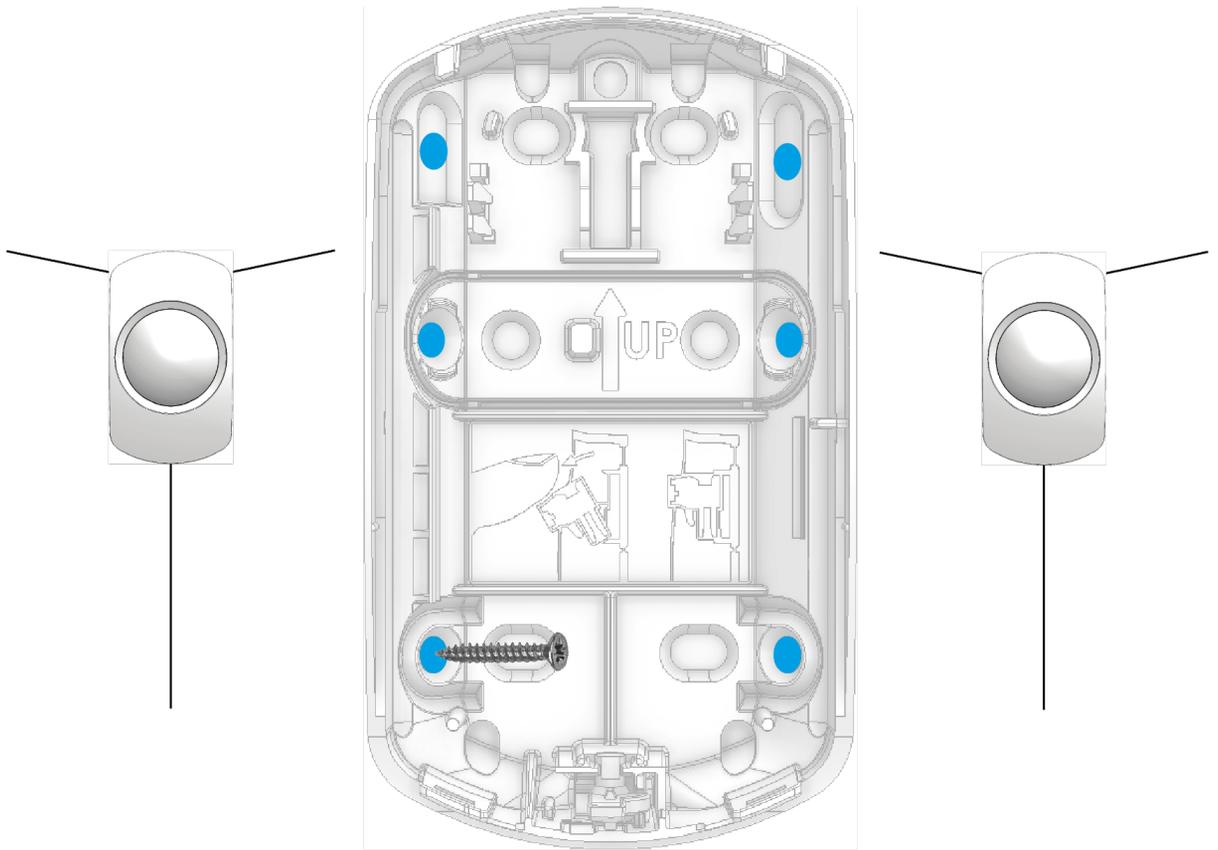
To learn the device to the system:

- Select an empty zone slot for the device and put the system into learn mode.
- To power up insert the battery.
- The LED will flash pink while it communicates to the receiver. The LED will turn green if the device has successfully learnt onto the system. If the LED turns red the learn has failed.
- If the learn fails,
 - check the system is in learn mode.
 - move closer to the panel or expander.
 - ensure you are learning the device to an “empty” zone.

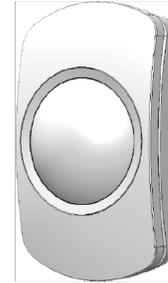
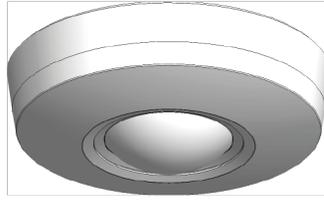
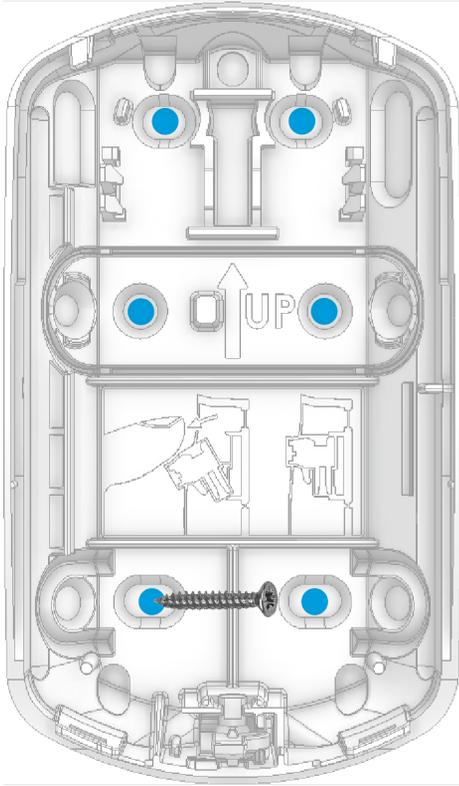
Once learned all system devices should be placed, but not fixed in the desired final location to ensure wireless performance. Devices should only be fixed when you are sure the system will perform as expected.

NOTE: The device will provide a low battery signal to the panel, once this signal is displayed the battery should be replaced within 30 days.

Corner mount



Wall, ceiling & flat surface mount

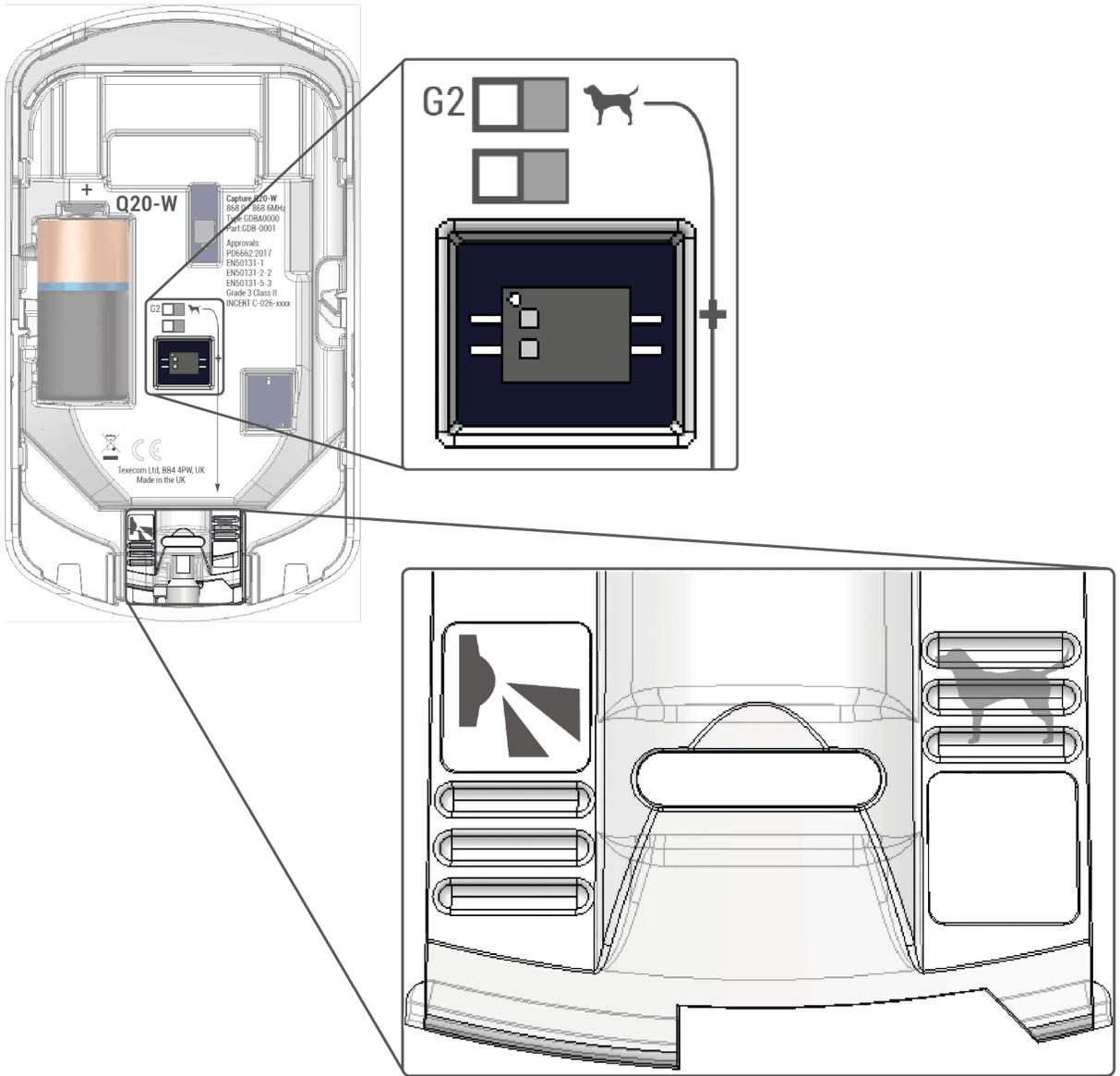


1.3 Mode selection

G2 all models (Q20-W shown)

This is the default state for optimum catch performance and false activation immunity. Switch 2 and the lens obscuration slider should be in the down position.

- P15-W 15m @ 90° compliant to EN50131-2-2, INCERT and PD6662
- Q20-W 20m @ 90° compliant to EN50131-2-2, INCERT and PD6662
- D20-W 20m @ 85° compliant to EN50131-2-4, INCERT and PD6662



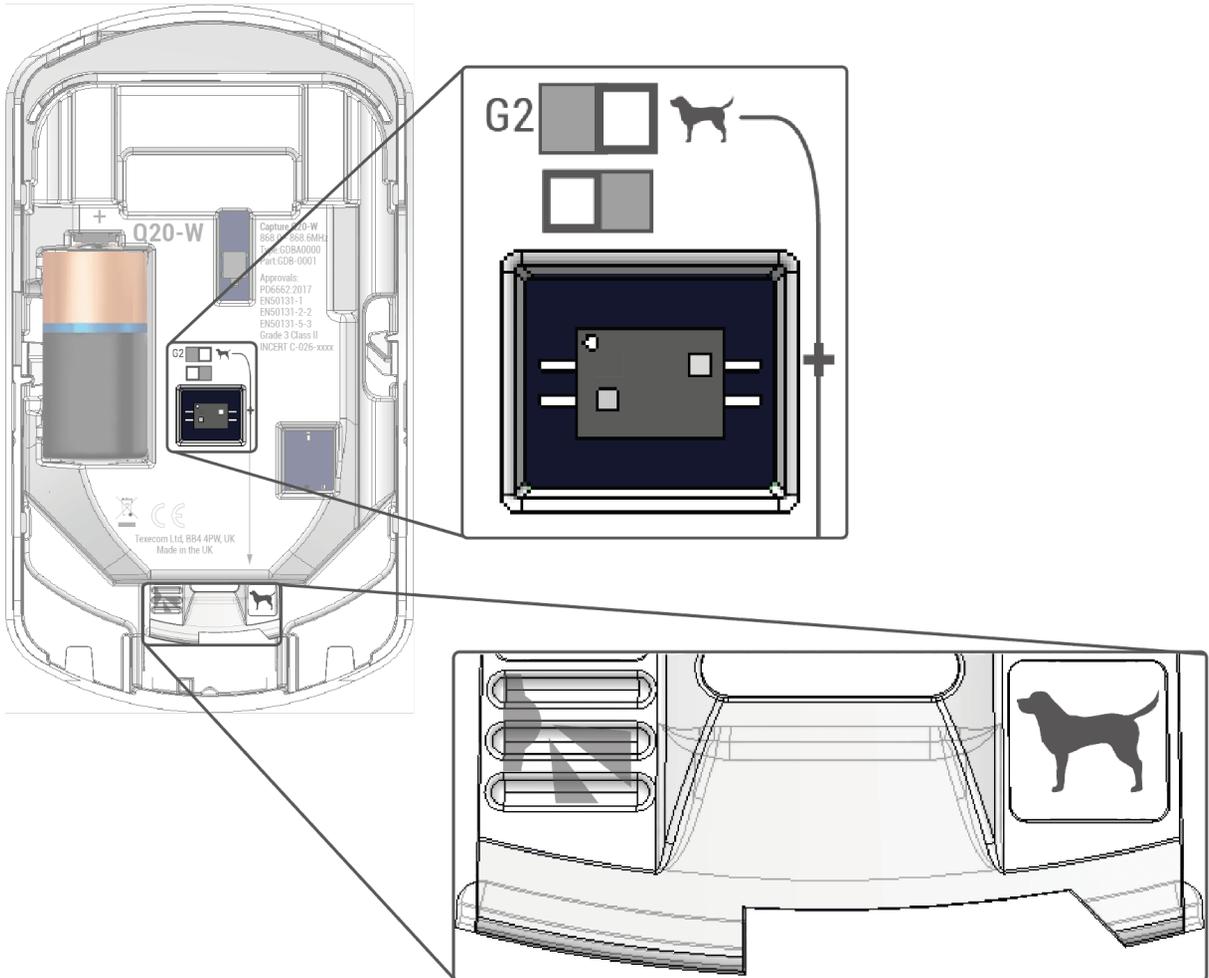
Pet Mode (P15-W, Q20-W & D20-W)

When using Pet mode, switch 2 and the lens obscurity slider should both be placed in the UP position.

- P15-W 10mtr @ 90° up to 35kg
- Q20-W 12mtr @ 90° up to 20Kg pet immunity compliant to PD6662 & EN50131-2-2

- D20-W 12mtr @ 85° up to 20Kg pet immunity compliant to PD6662 & EN50131-2-4

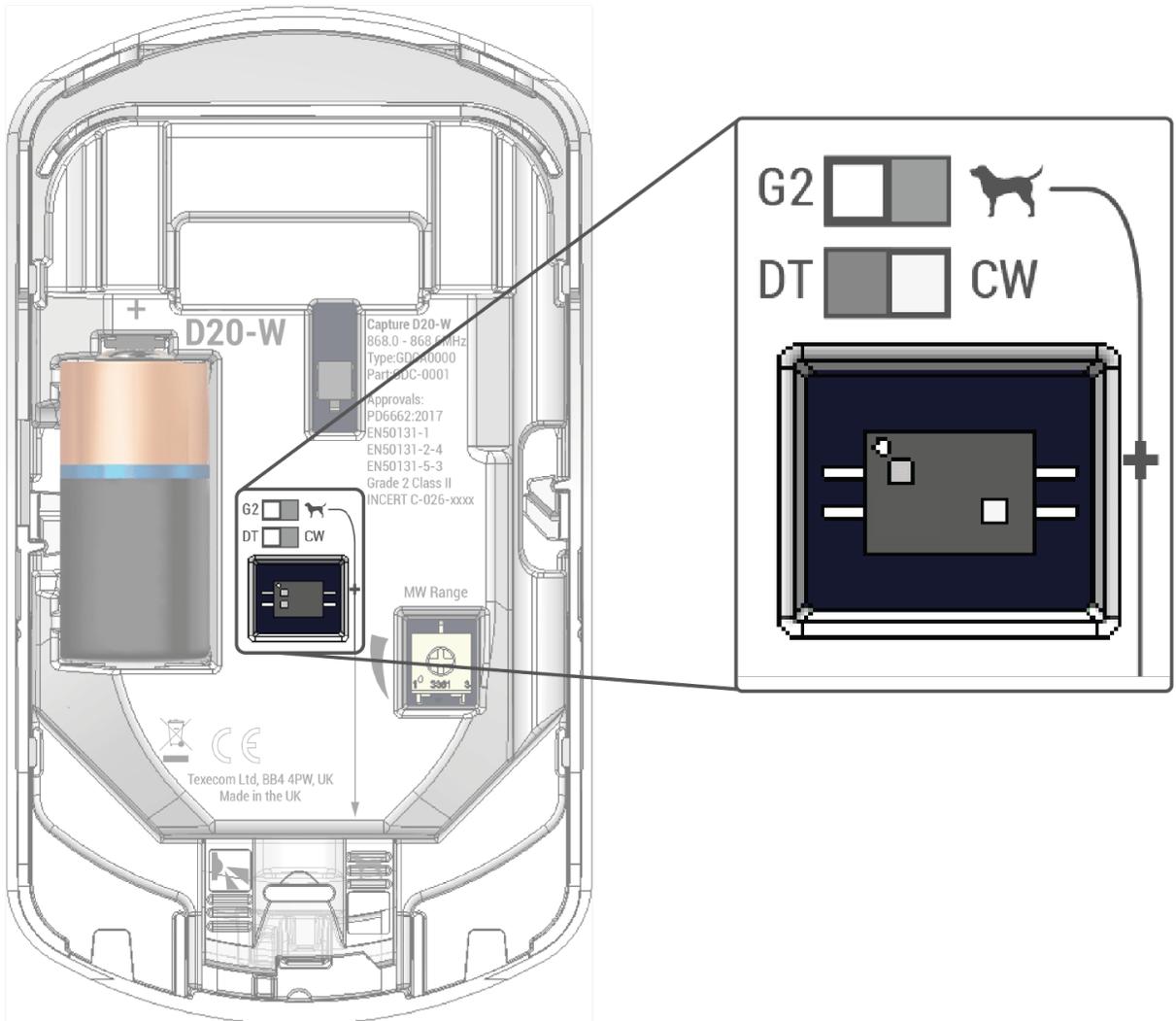
Note: Never use CloakWise with PET mode.



CloakWise™ D20-W & CD-W

CloakWise is a proprietary detection algorithm, unique to Texecom, that can distinguish the presence of an intruder even if the unauthorised person attempts to mask or 'cloak' their presence. Utilising advanced signal processing techniques to both microwave and PIR channels, the CloakWise technology can recognise cloaking attempts and detect accordingly. CW mode will also provide excellent detection when the ambient temperature is close to human body temperature.

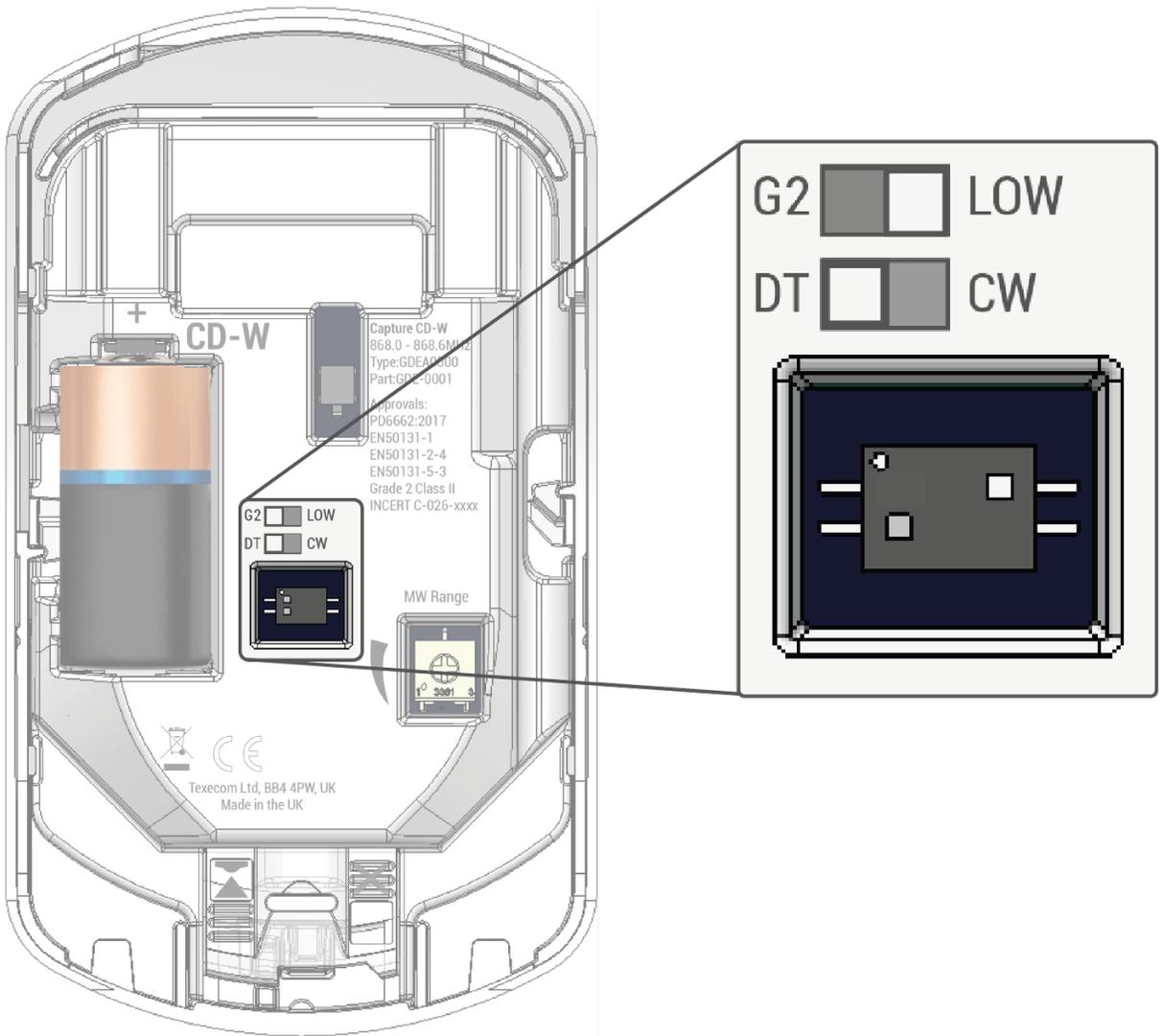
Note: Never use CloakWise with PET or LOW mode



Low mode ceiling mount CQ-W & CD-W only

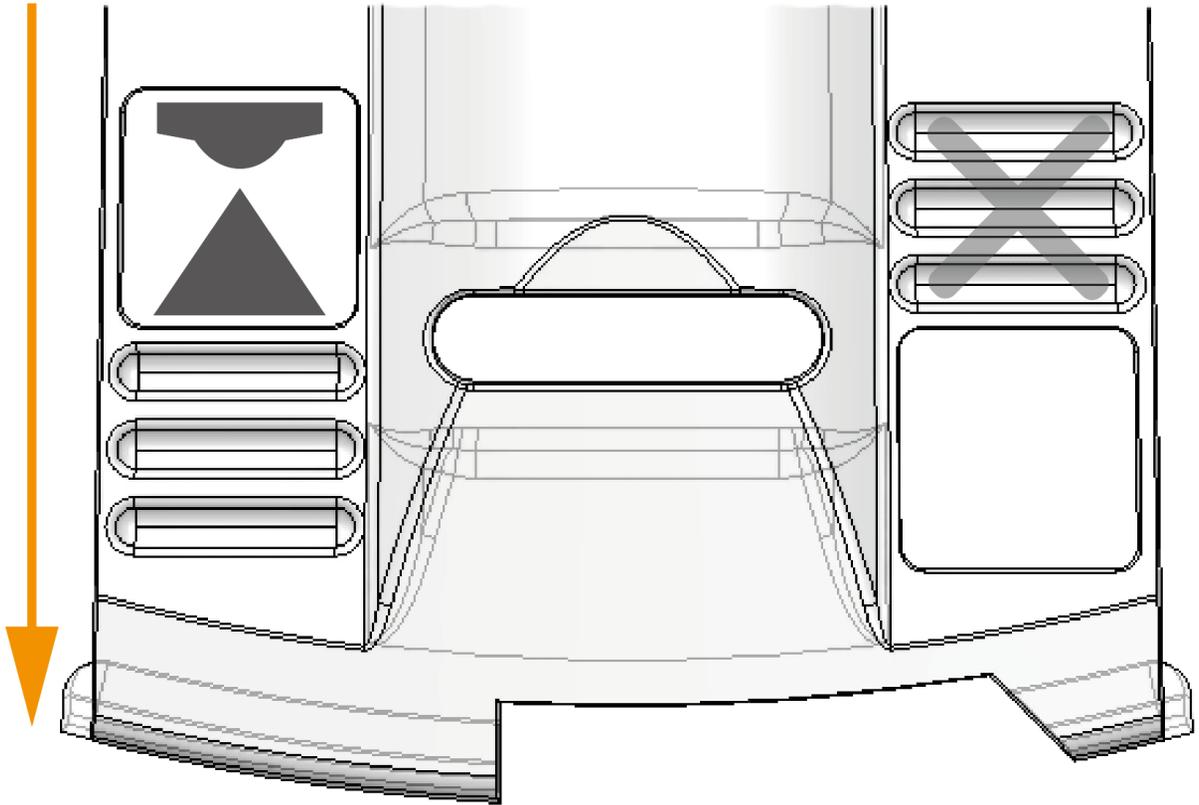
Low mode lowers the sensitivity of the device and provides greater false alarm immunity. Thorough walk testing across the entire protected area should be carried out to ensure catch performance is as expected.

Note: Never use CloakWise with LOW mode.

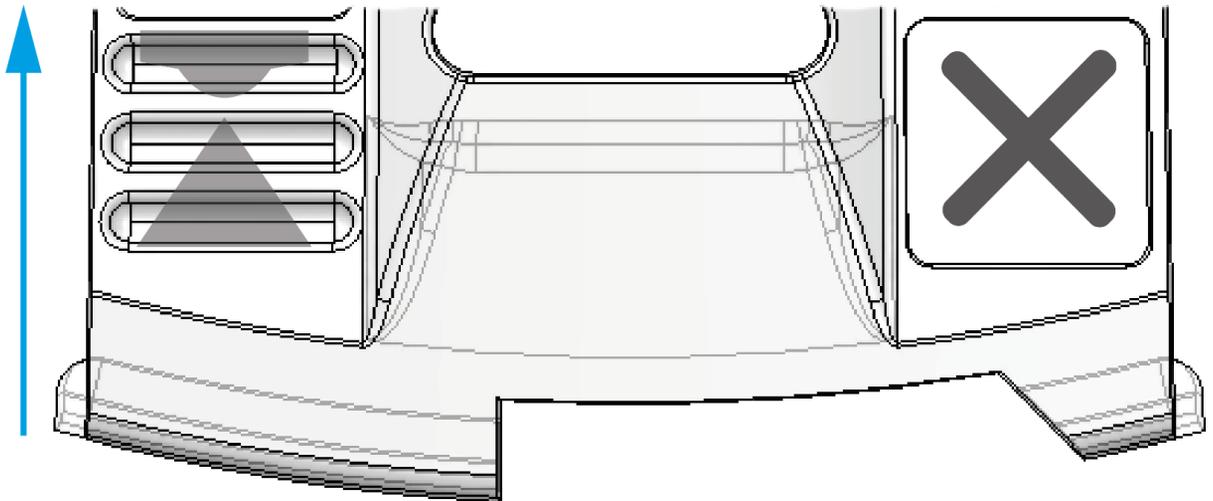


CQ-W and CD-W Slider

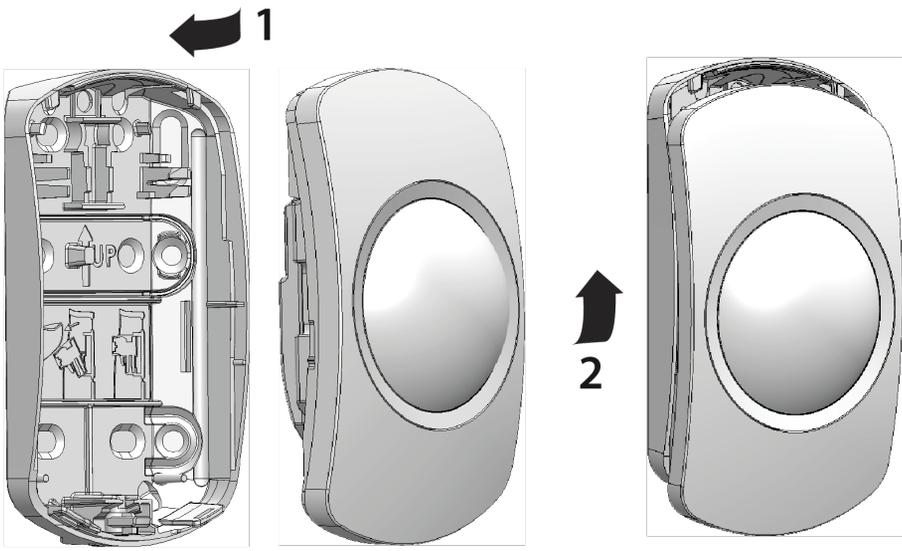
Leave in the default position



Do not use



1.4 Closing the device



Closing the device LED indications

When closing the devices the LED will flash as follows:-

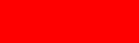
- Pink - trying to connect
- Green - connected
- Red - connection failed

When the device is closed and has successfully connected to the system it will be in walktest mode for 10 minutes.

1.5 Testing commissioning and LED indications

When installation is complete, the device should be thoroughly walk tested to ensure the desired protection is being achieved, and any adjustments to the device are made to cater for the specific location and any local site conditions.

Note: LED's are disabled during normal use. To enable the LED's put the panel into walk test mode. Devices will be in walktest mode for 10 minutes after they have been learnt to the system and the device has been closed.

State	Colour	Flash
Warm up		Flash 0.5s on 0.5s off
Alarm		
PIR only on D20-W/CD-W		
MW only on D20-W/CD-W		
Learning		Flash fast
Learning OK		Momentary green
Learning failed		Momentary red

Walk test

Walk test all devices to ensure you have adequate coverage, and that there are no obstructions in the detection area.

D20-W & CD-W Microwave Range Adjustment

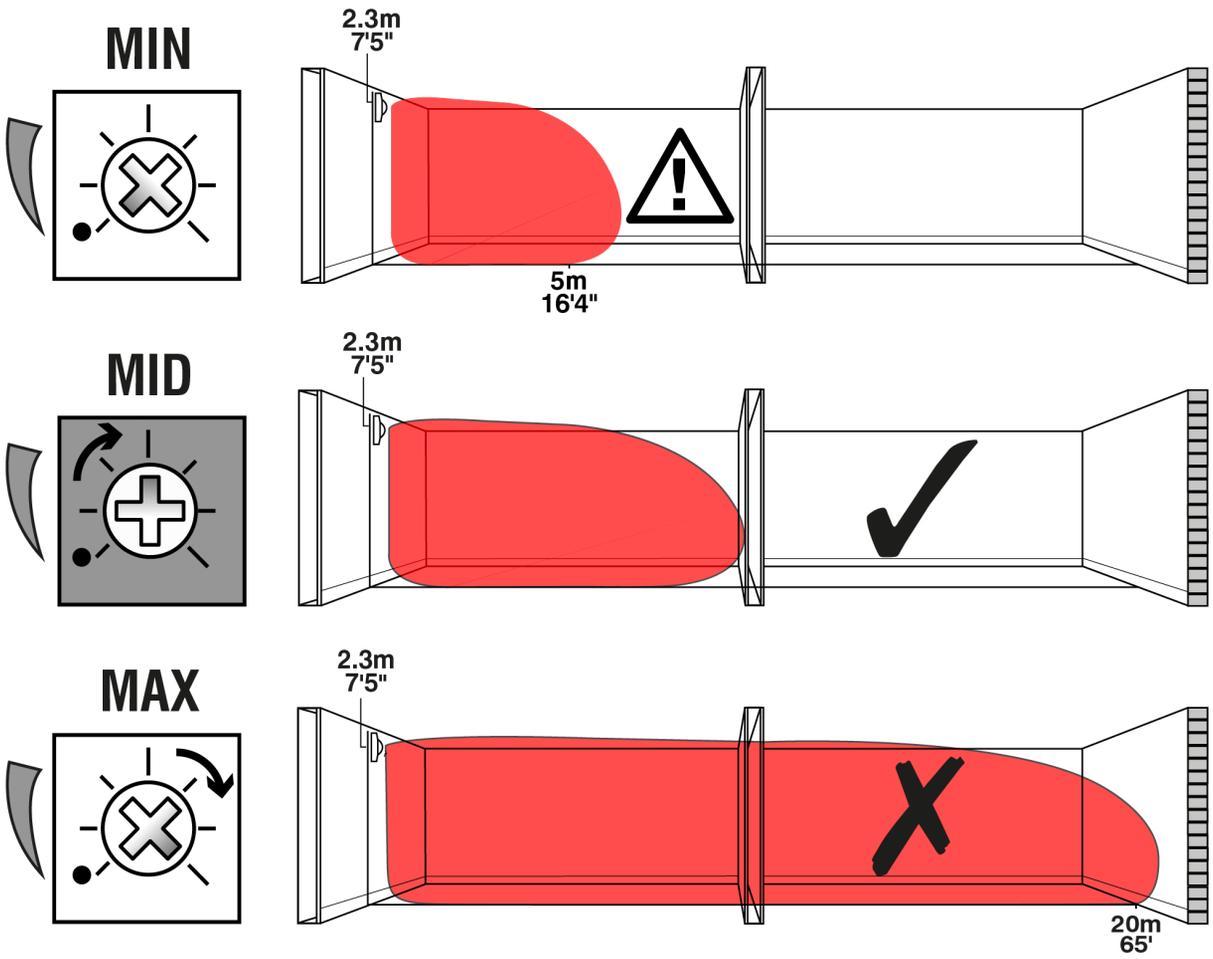
Devices are supplied with the microwave adjustment potentiometer set at the mid-point.

The microwave should be adjusted according the area to be protected, and great care should be taken to ensure the microwave cannot “see” beyond protected area. LED indication of the microwave pickup allows for accurate setting of the detection area.

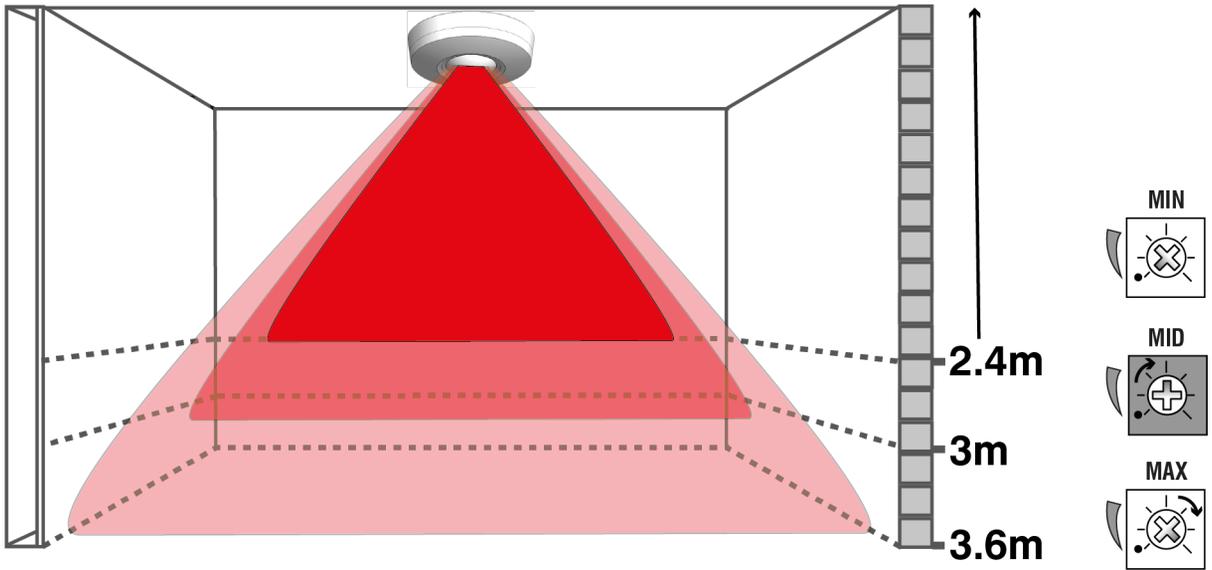
- Power up the device
- Walk test the device taking note of the LED indications.

Adjust the Microwave range until the desired coverage is achieved.

D20-W Microwave Coverage

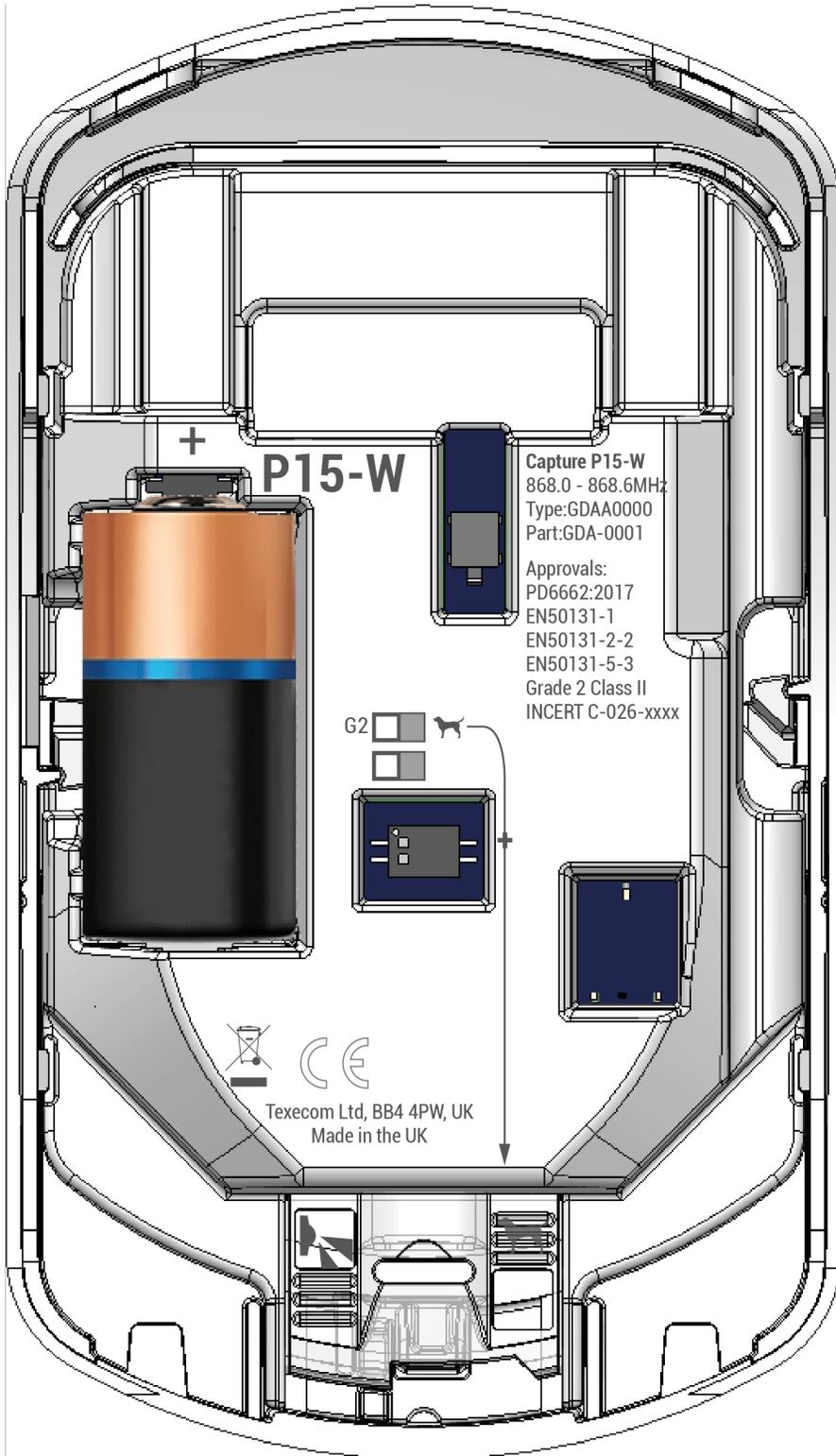


CD-W Microwave Coverage

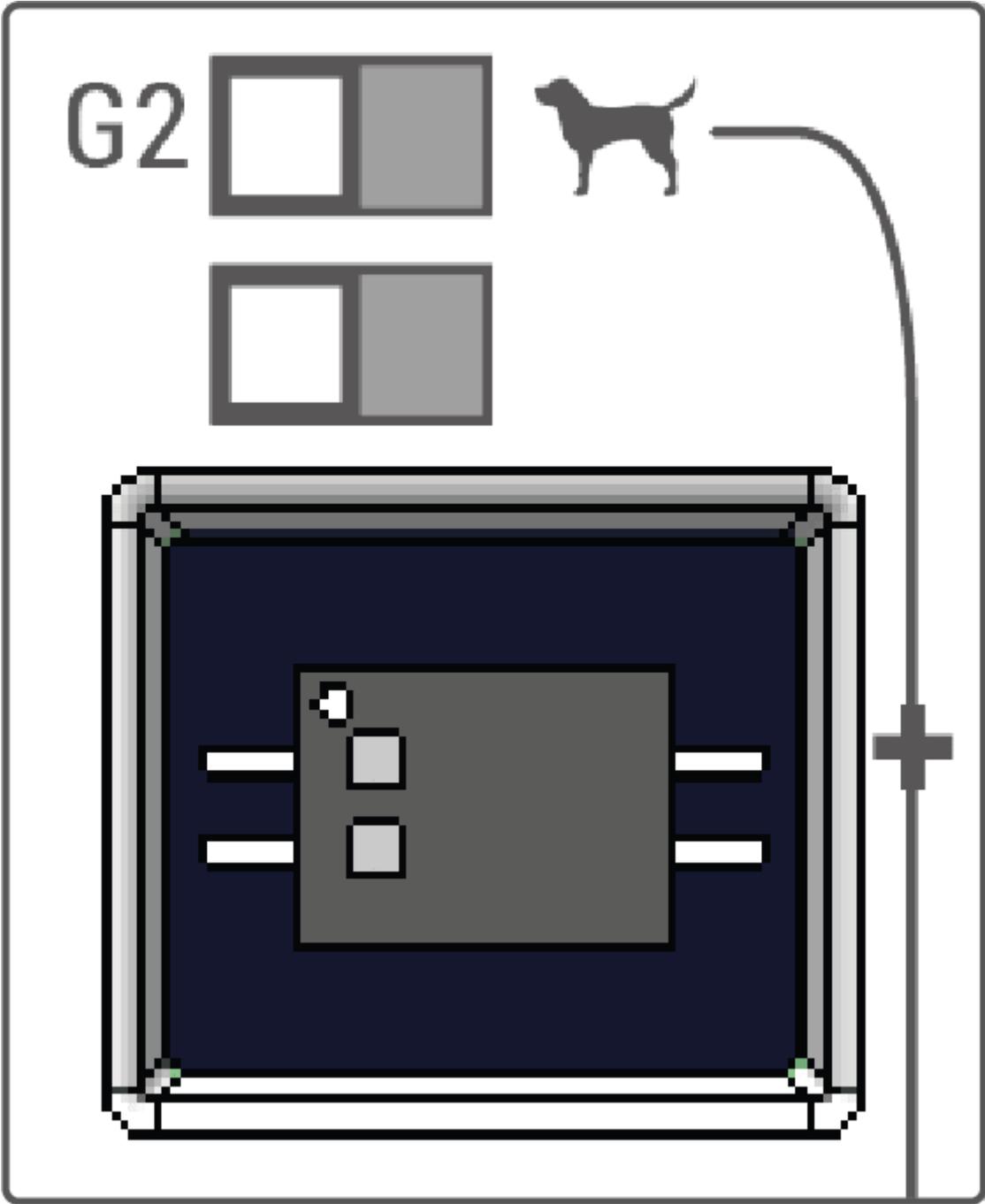


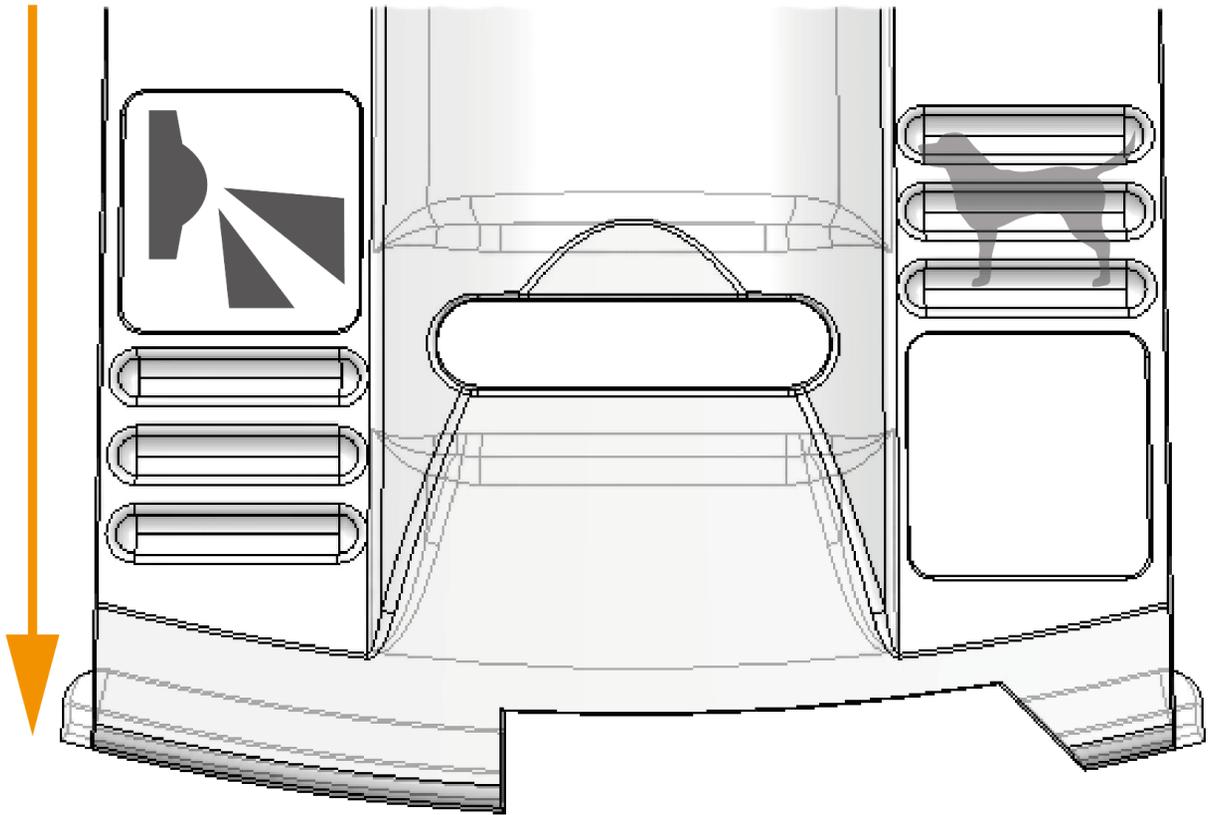
2.0 Variants

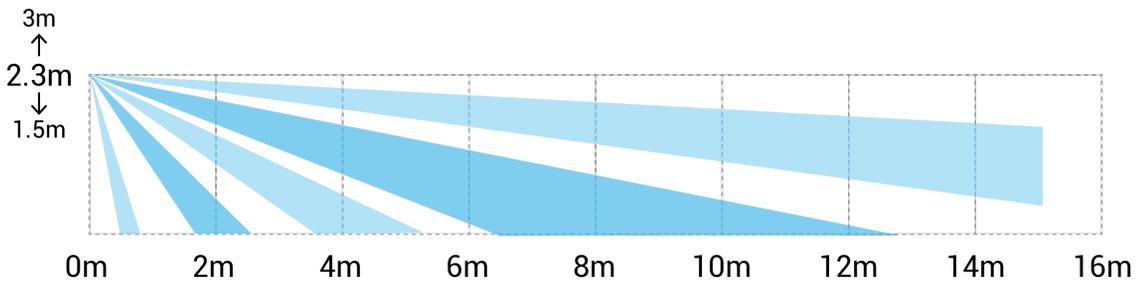
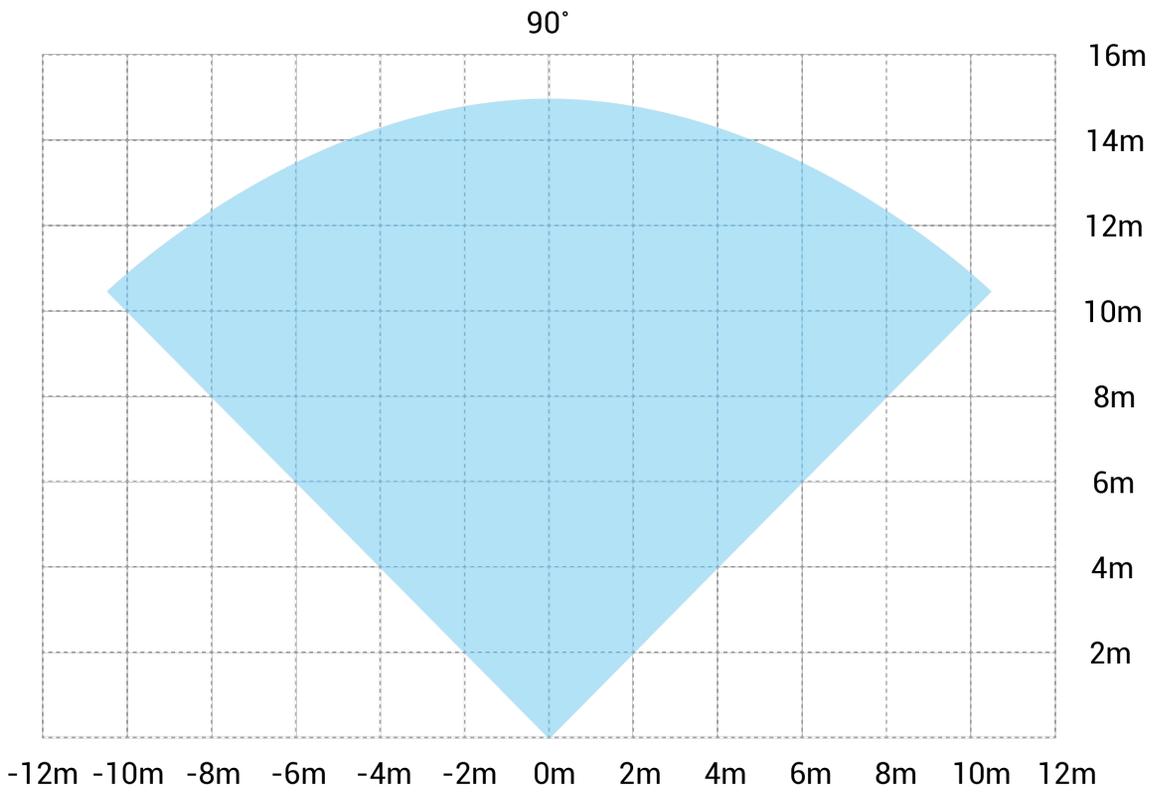
2.1 CAPTURE P15-W



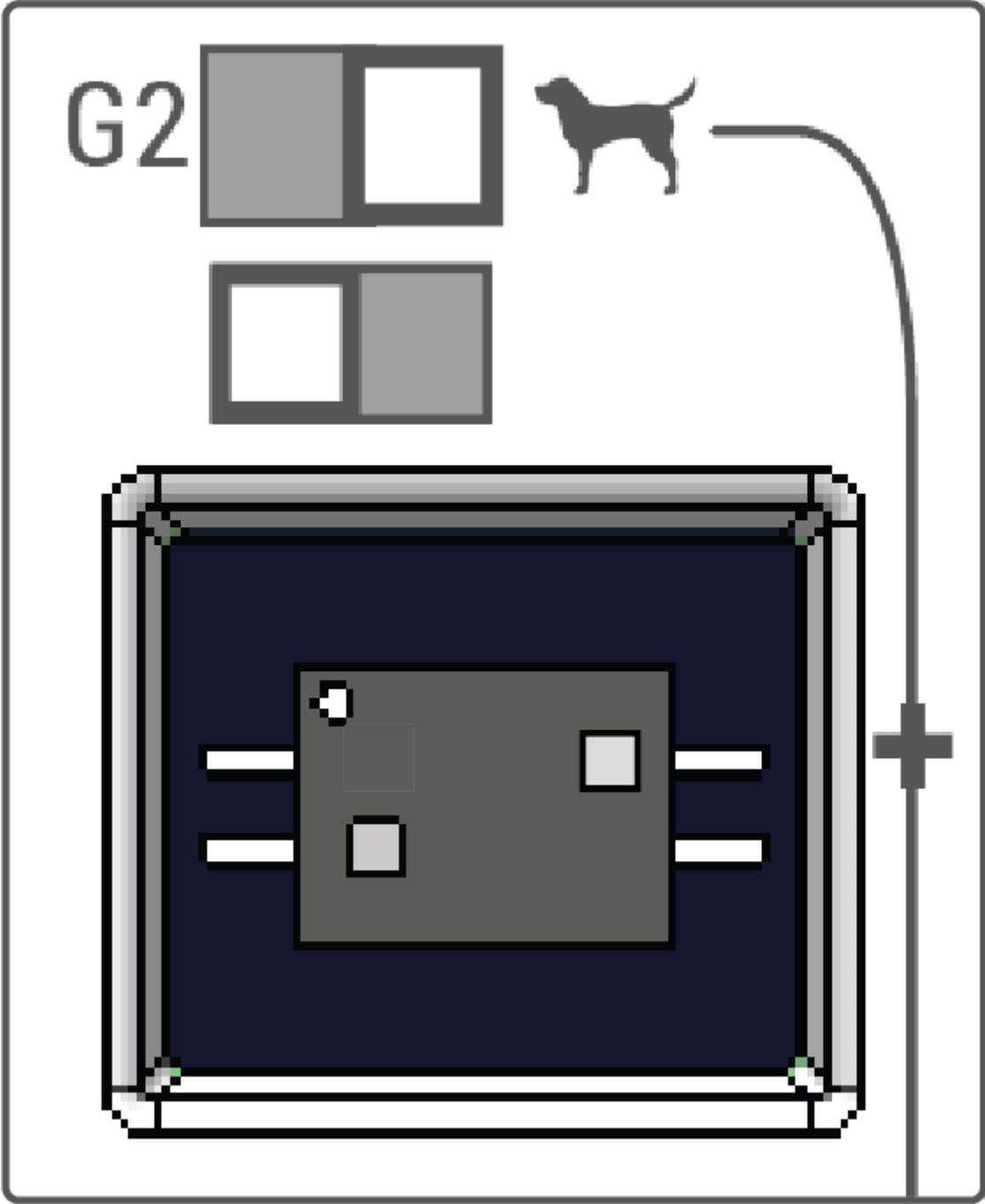
G2 Coverage

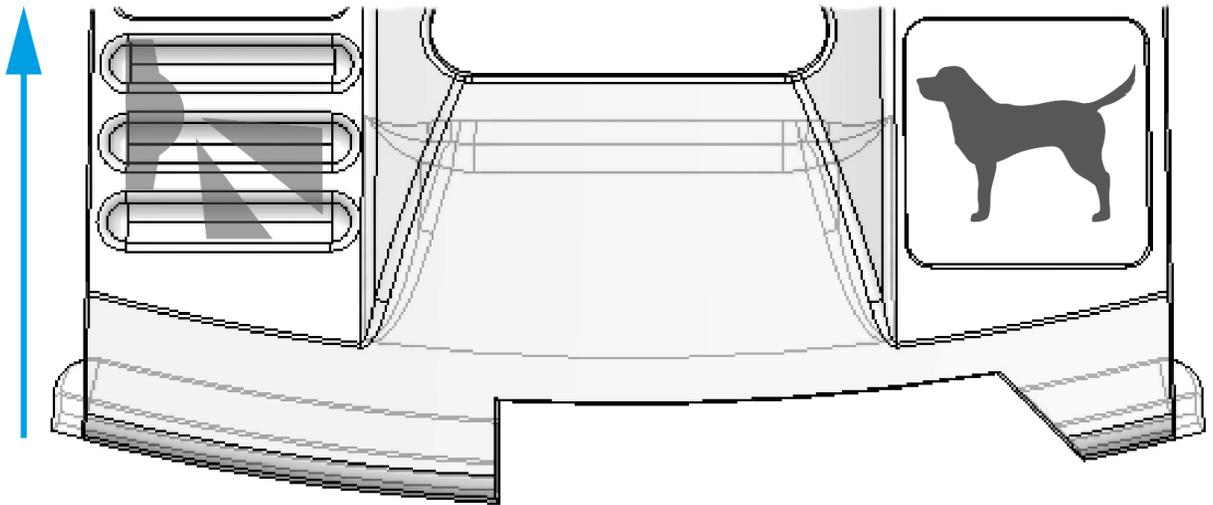




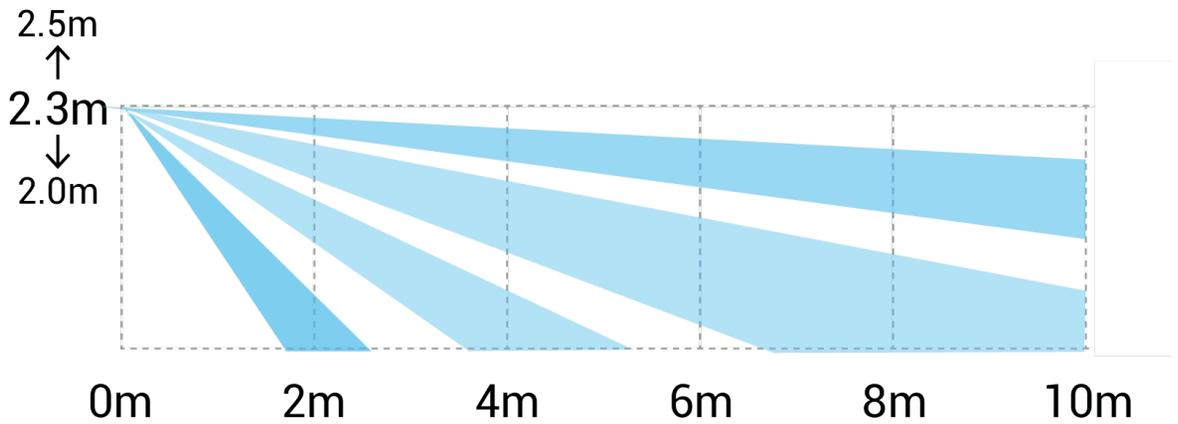
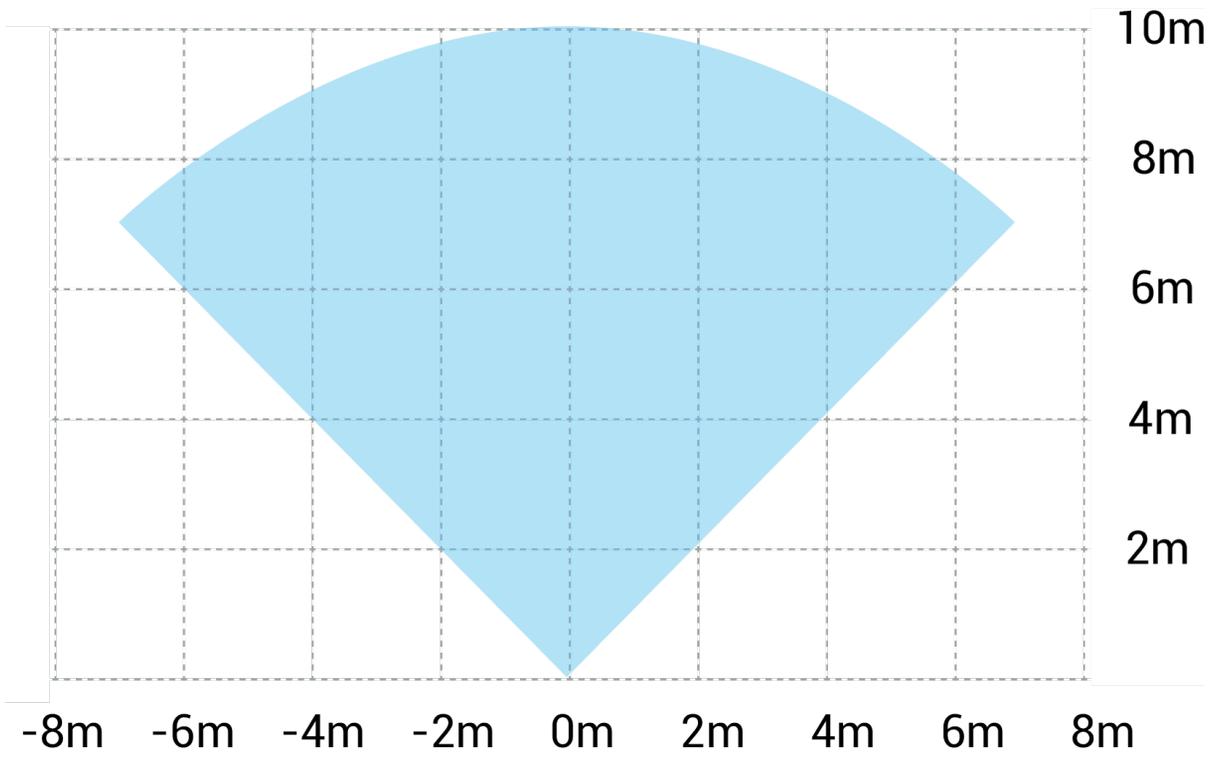


Pet Coverage

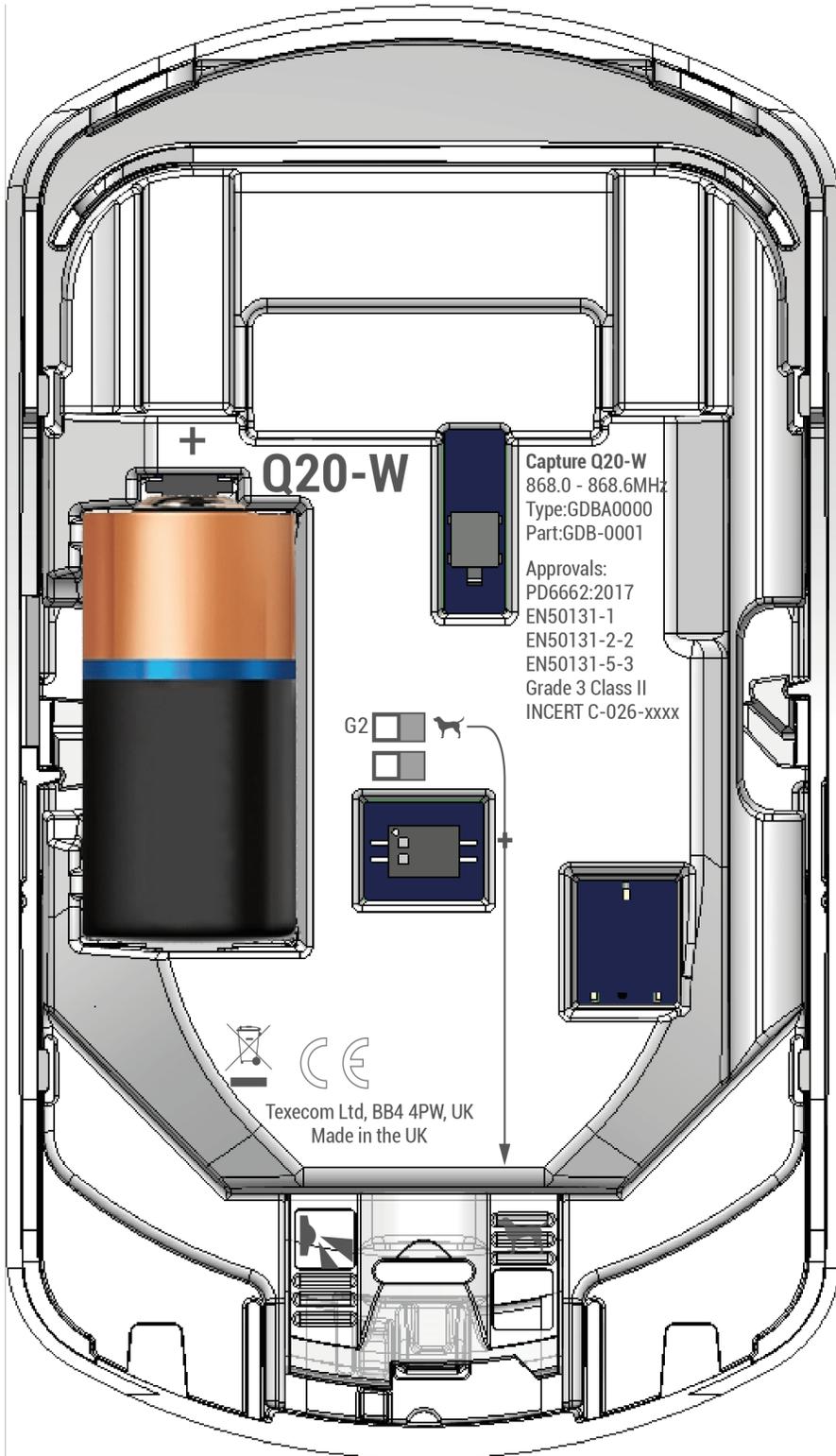




90°



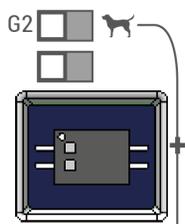
2.2 CAPTURE Q20-W



Q20-W

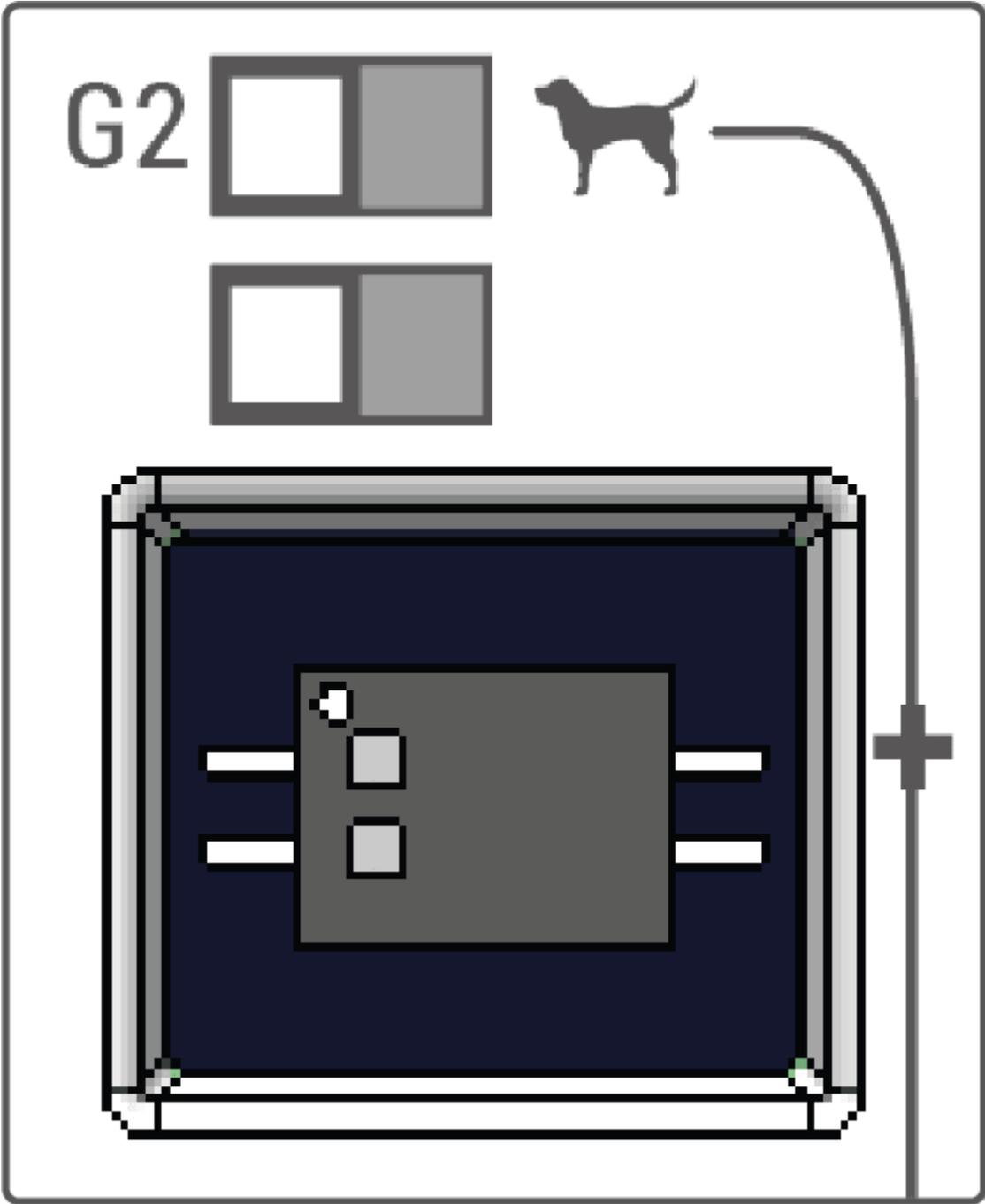
Capture Q20-W
868.0 - 868.6MHz
Type:GDBA0000
Part:GDB-0001

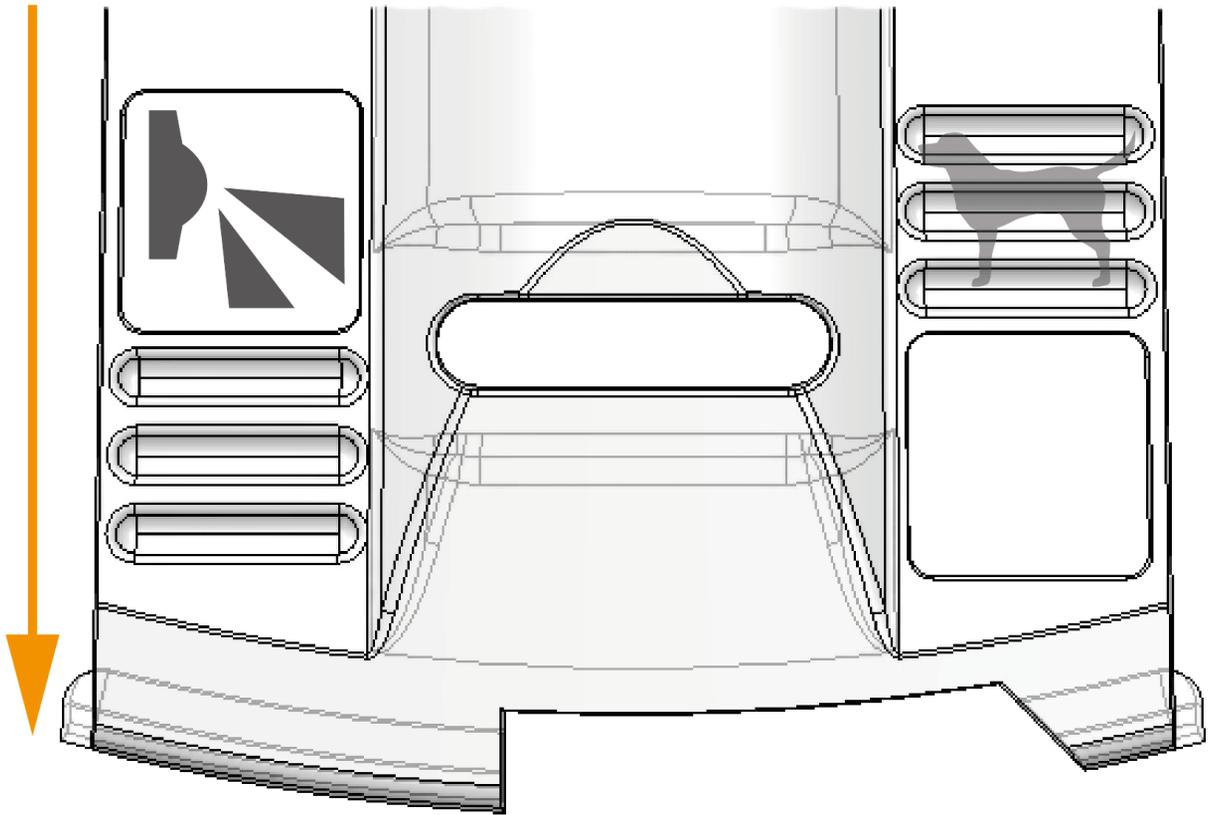
Approvals:
PD6662:2017
EN50131-1
EN50131-2-2
EN50131-5-3
Grade 3 Class II
INCERT C-026-xxxx

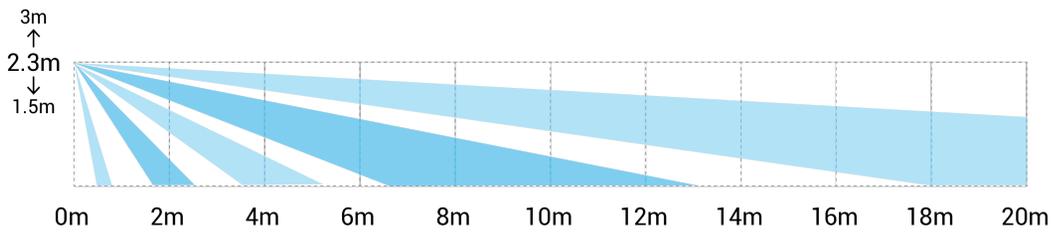
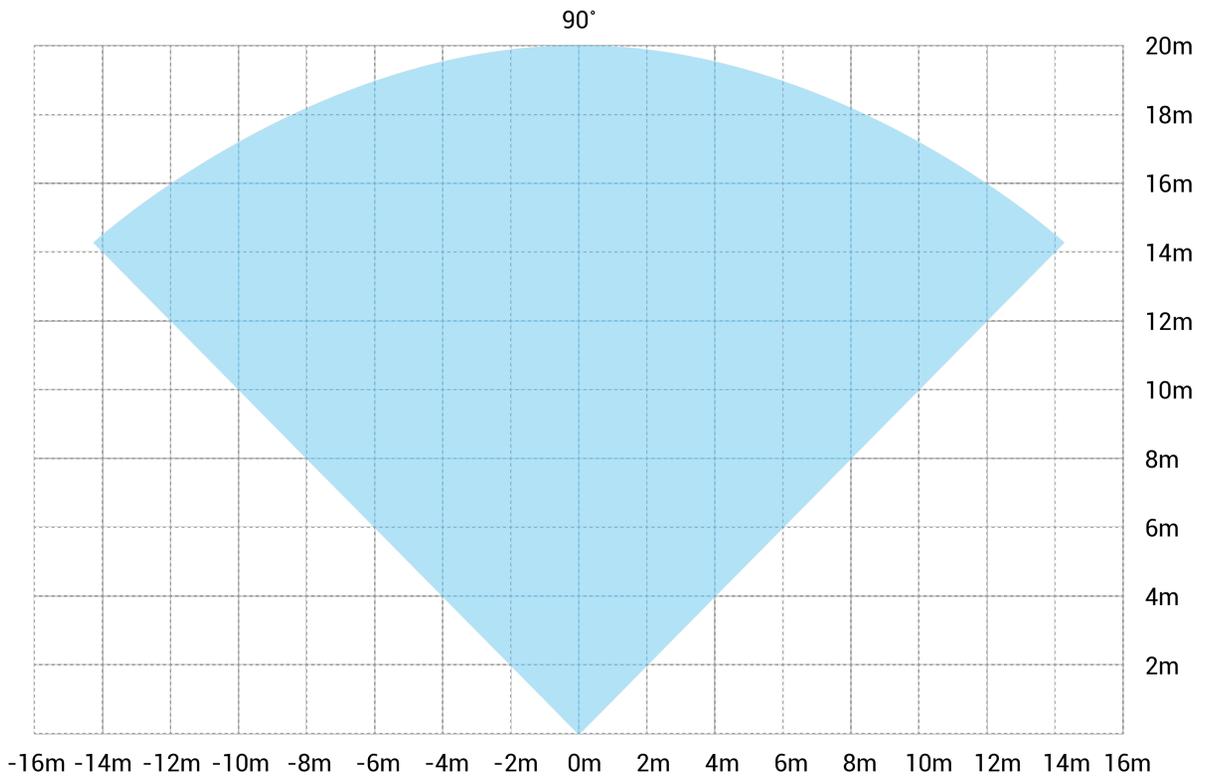


Texecom Ltd, BB4 4PW, UK
Made in the UK

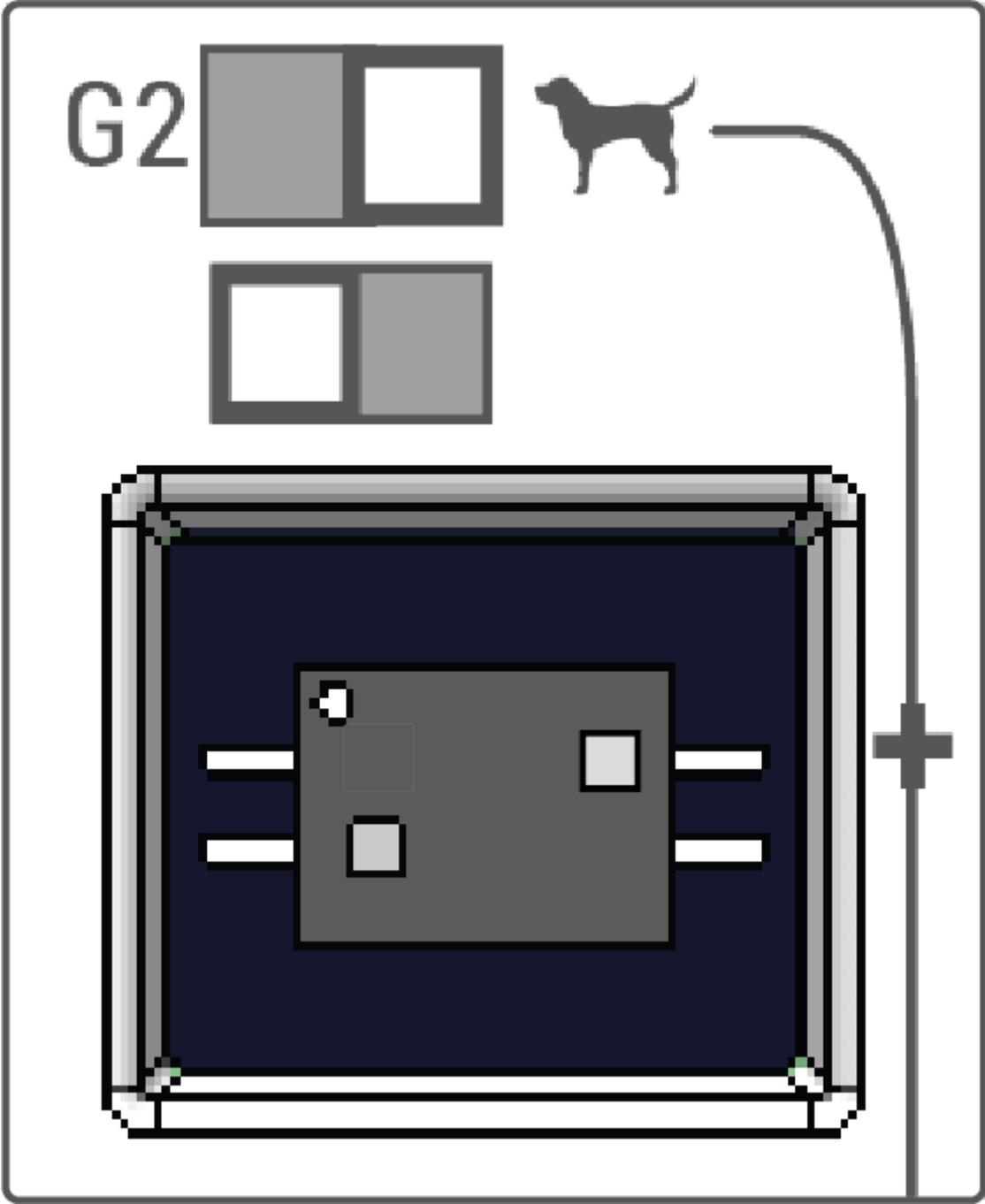
G2 Coverage

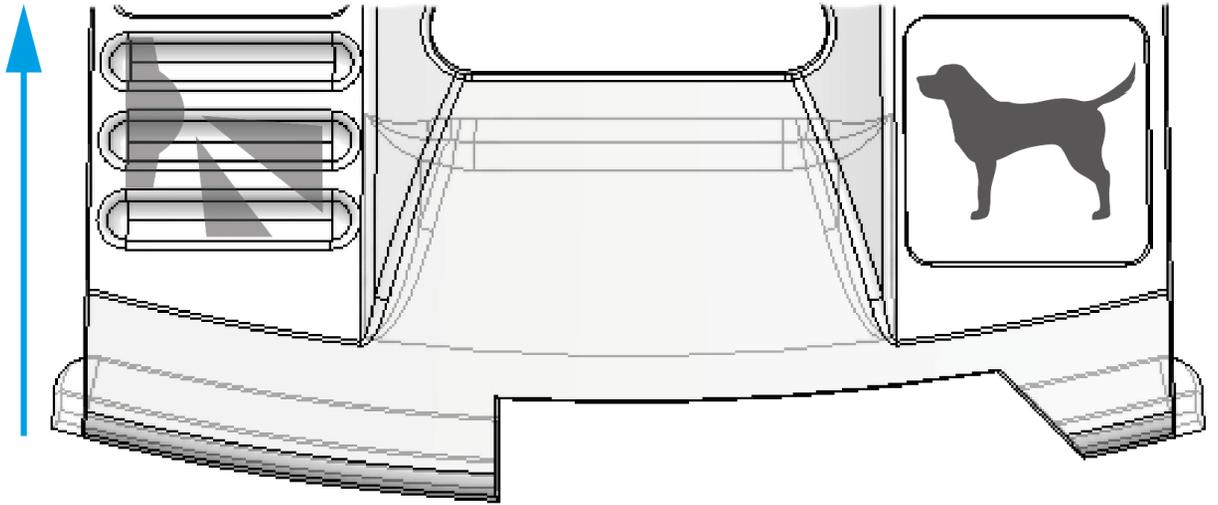


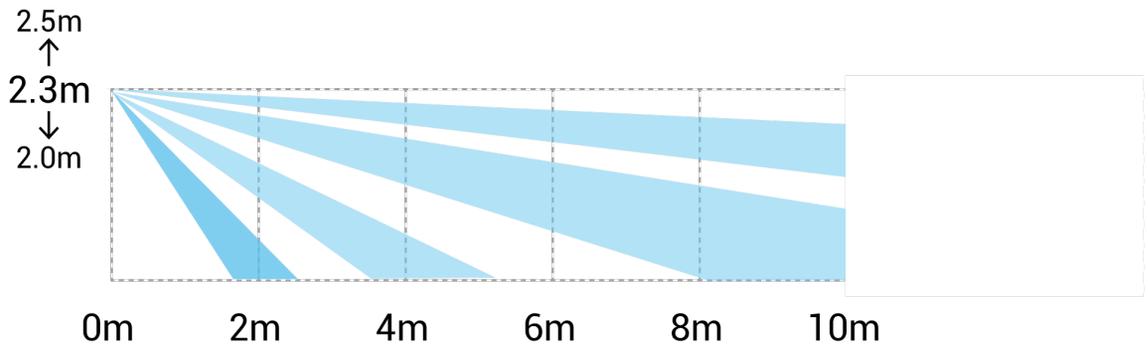
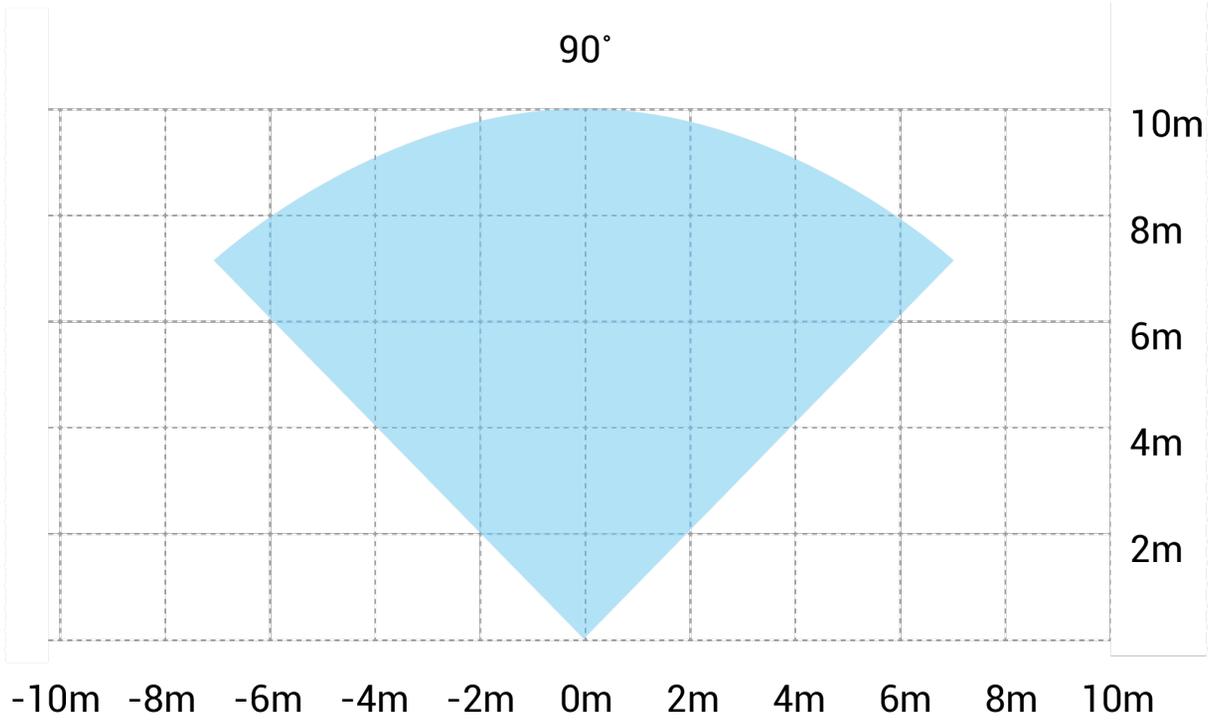




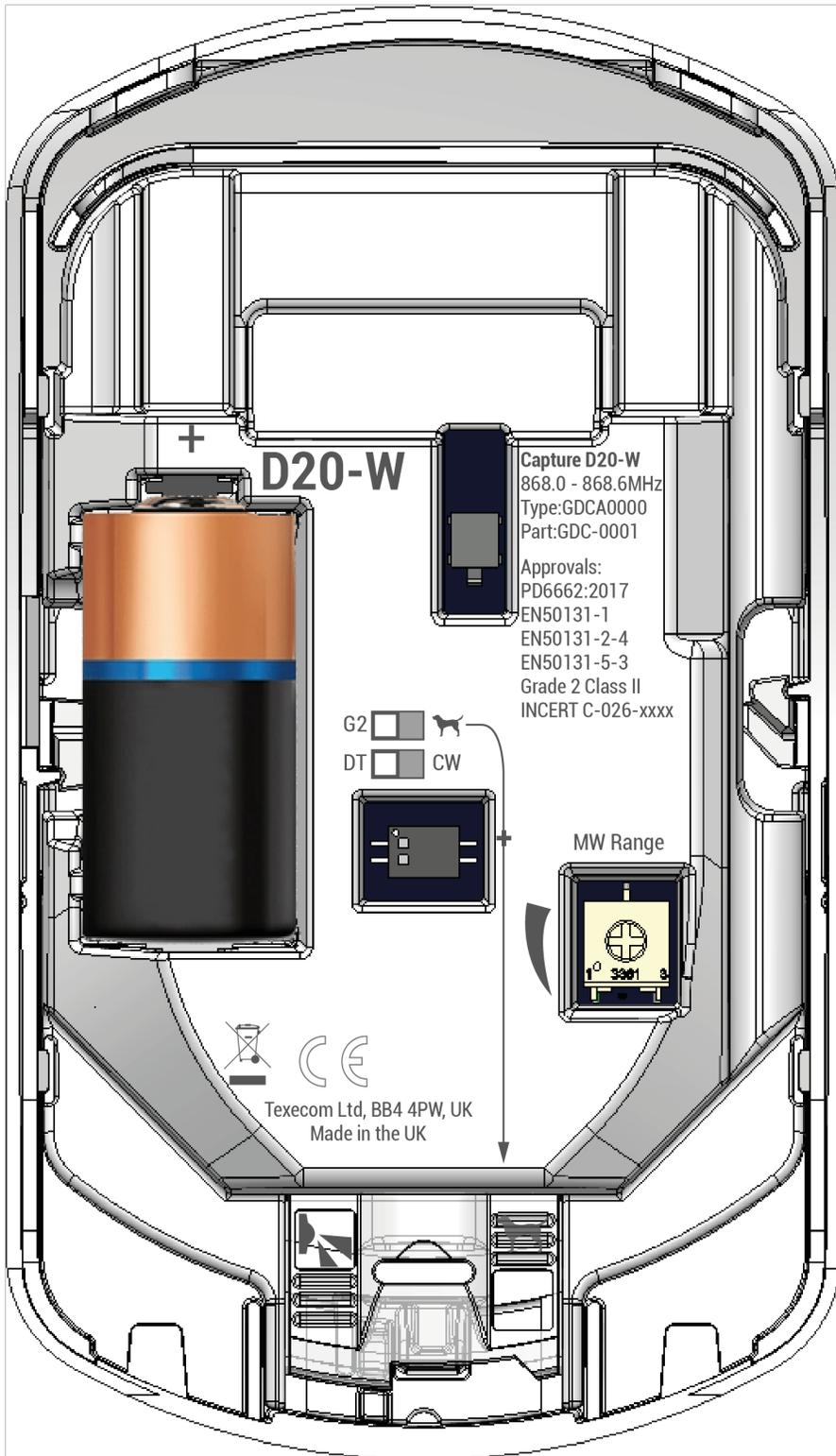
Pet Coverage



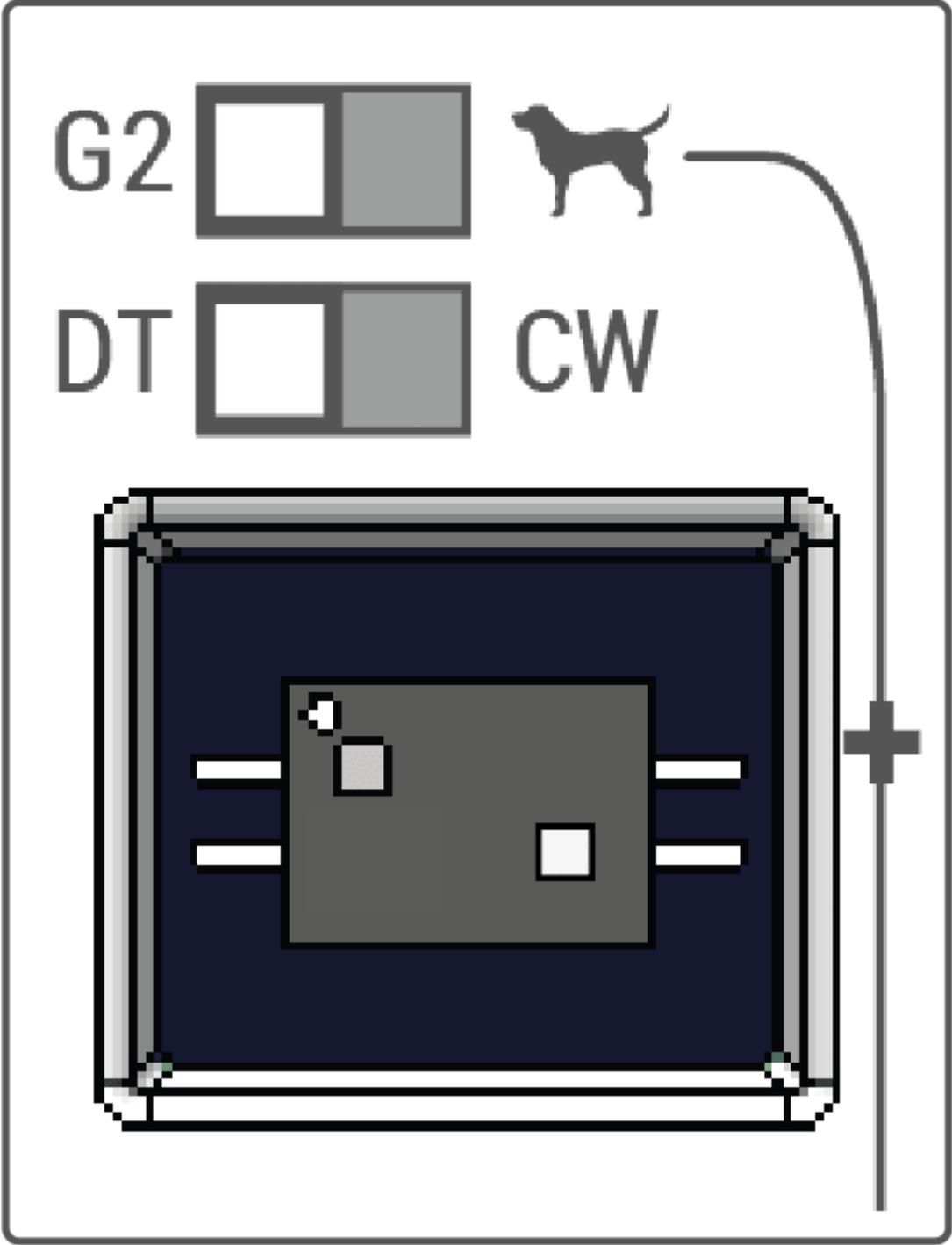


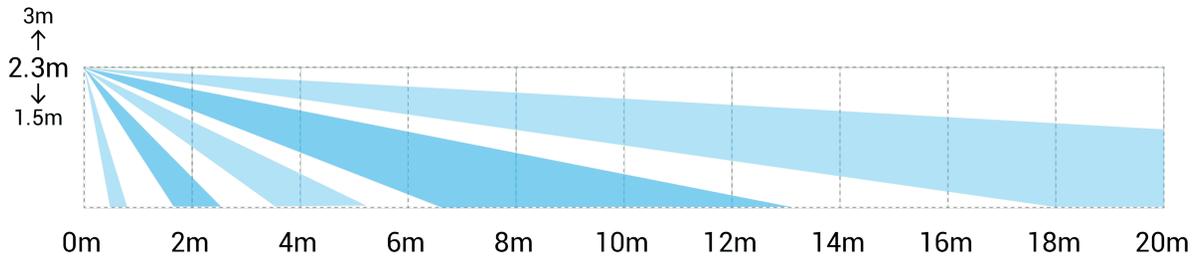
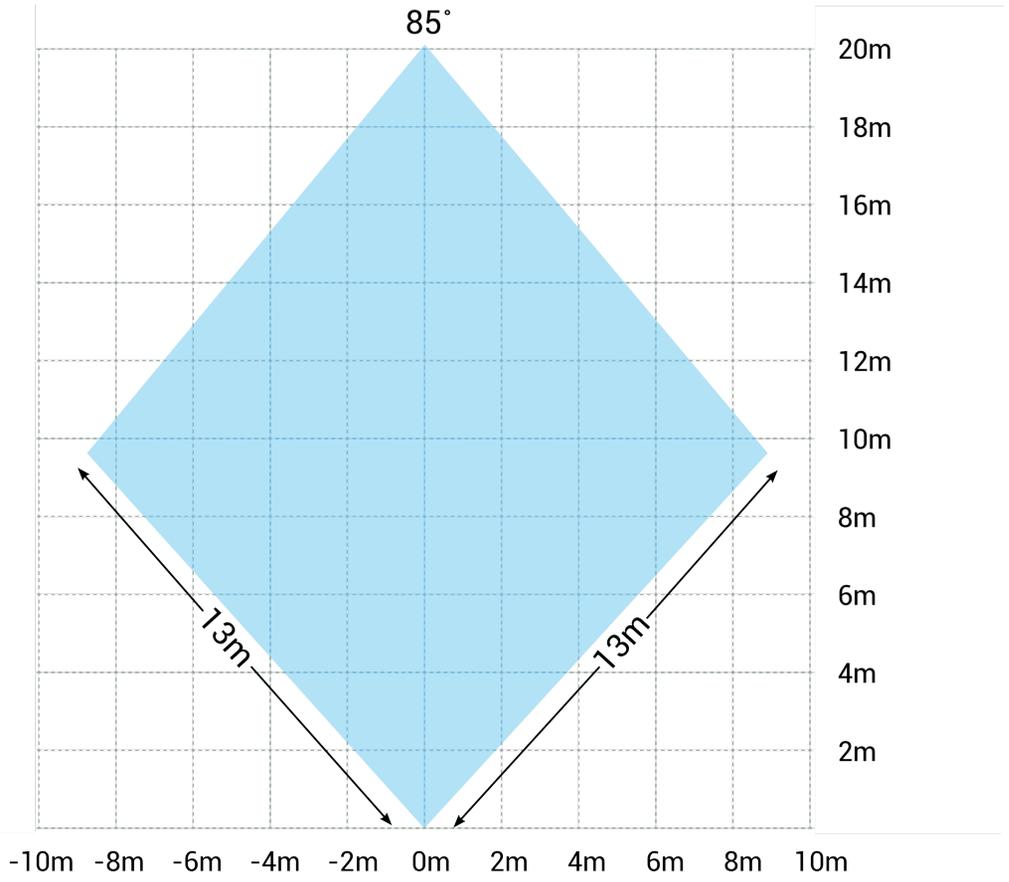


2.3 CAPTURE D20-W



G2 coverage





Pet coverage

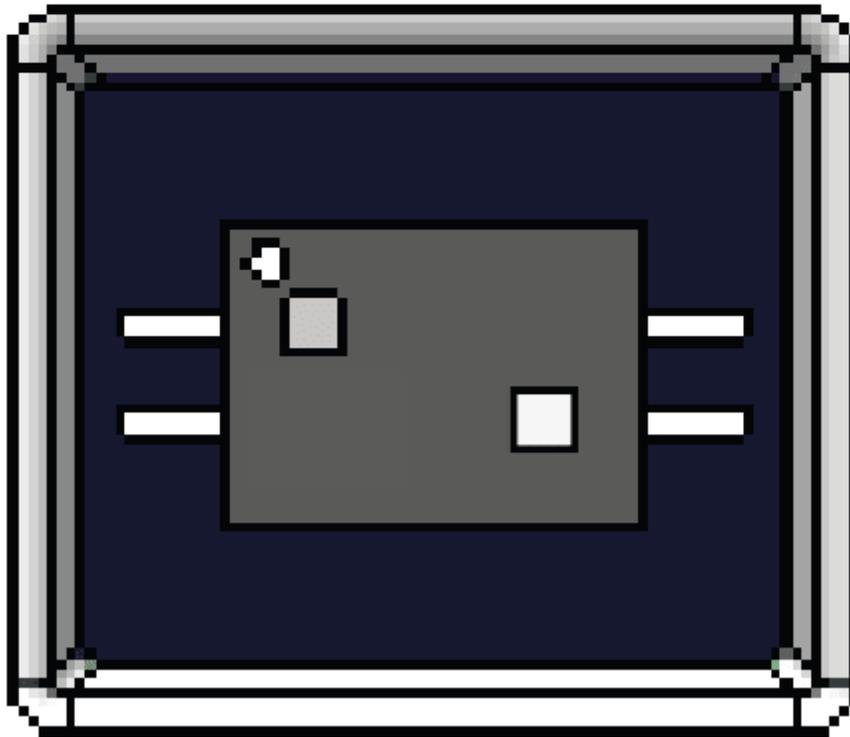
G2

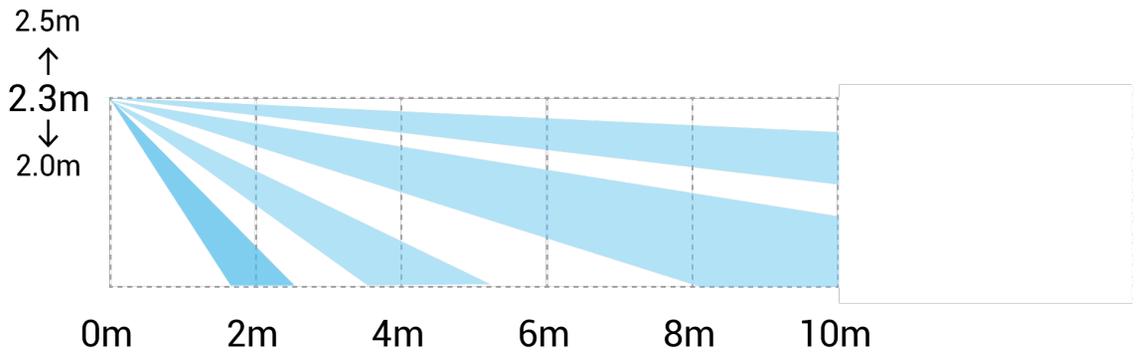
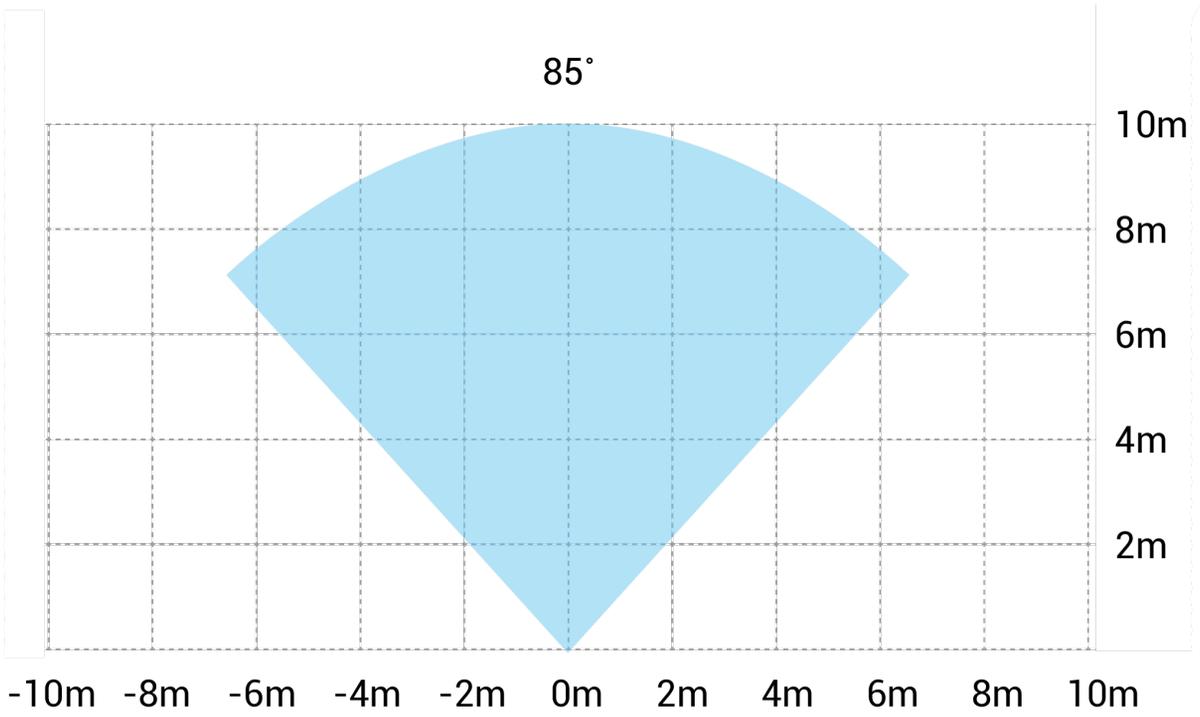


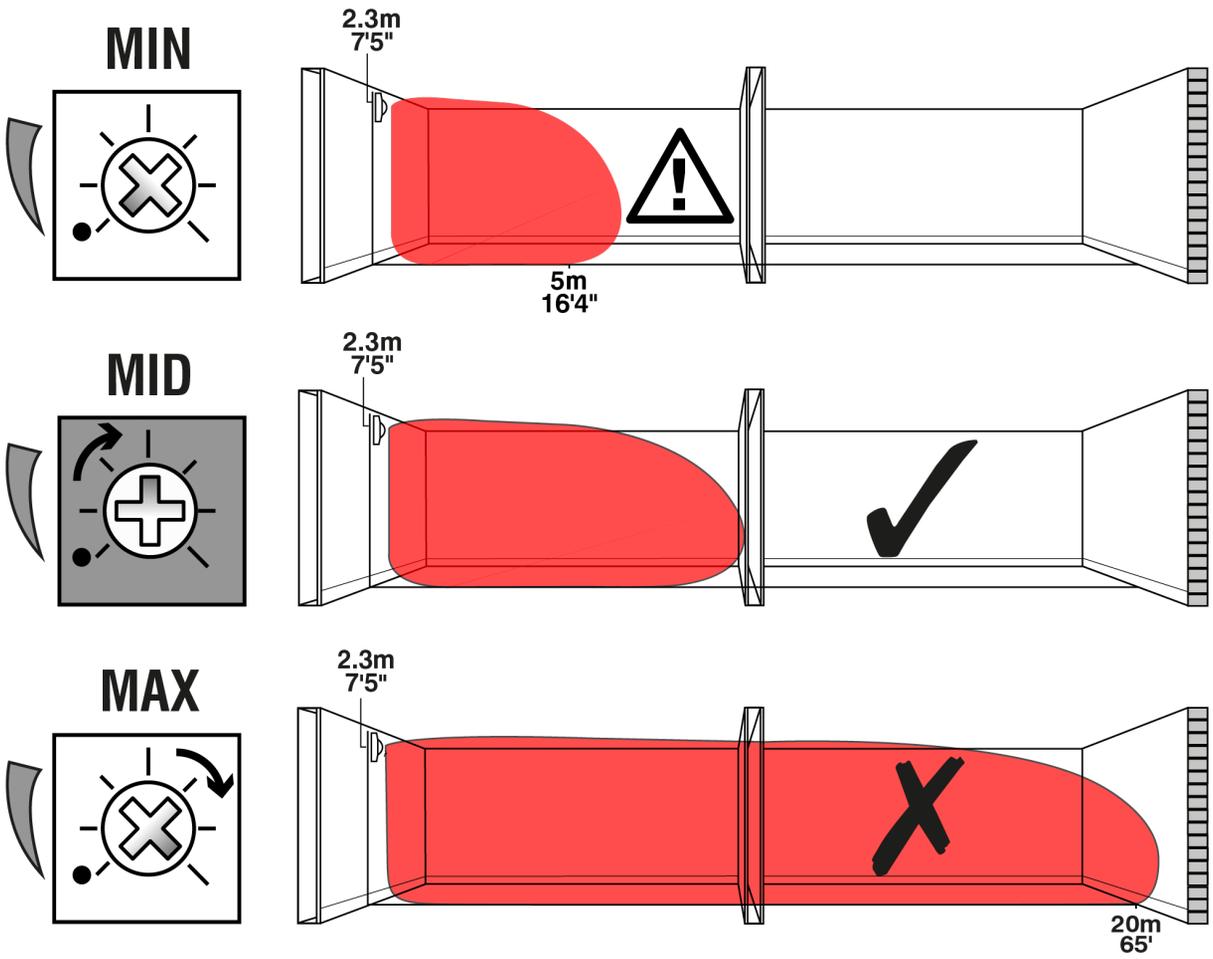
DT



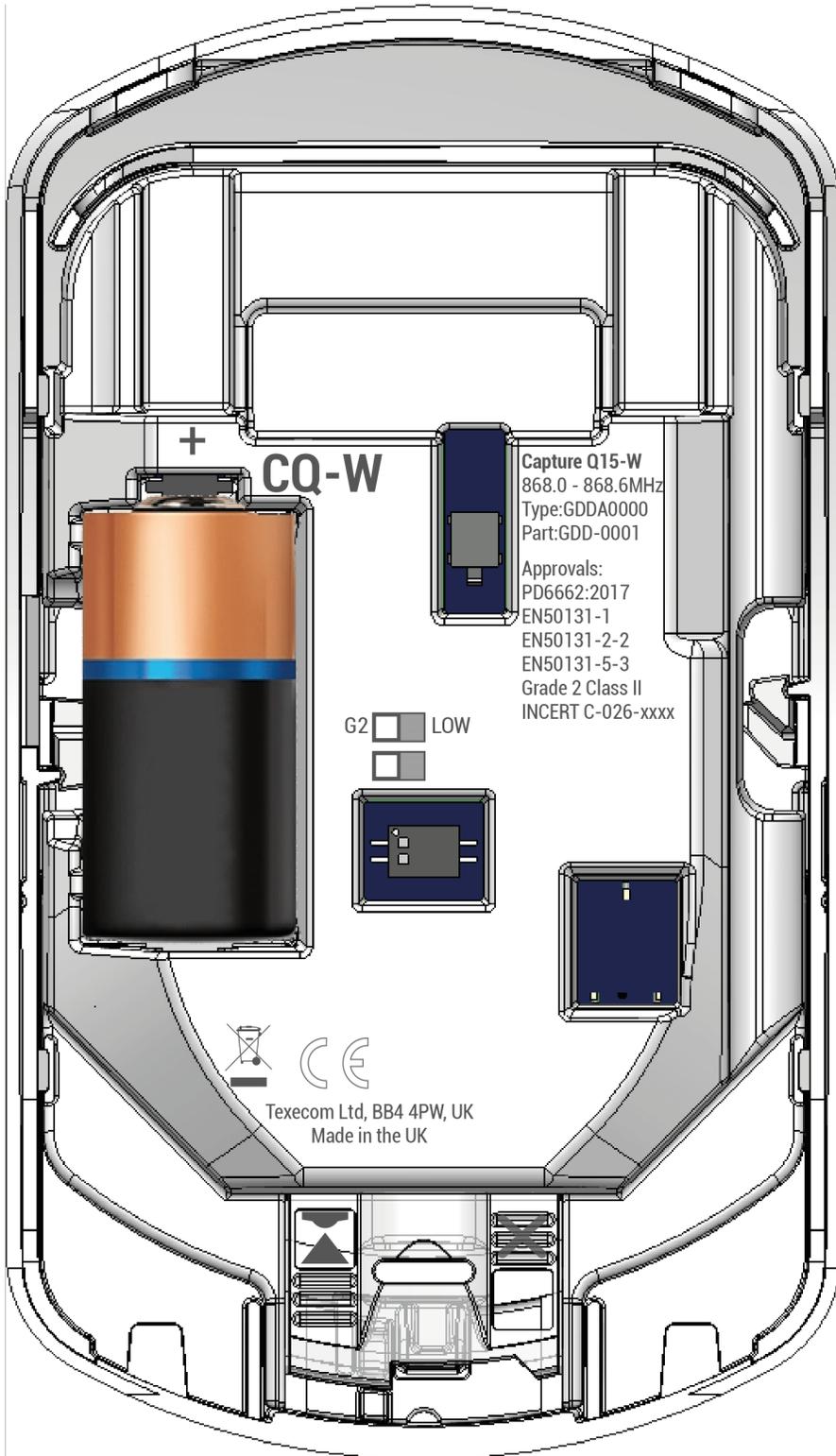
CW







2.4 CAPTURE CQ-W



+
CQ-W

Capture Q15-W
868.0 - 868.6MHz
Type:GDDA0000
Part:GDD-0001

Approvals:
PD6662:2017
EN50131-1
EN50131-2-2
EN50131-5-3
Grade 2 Class II
INCERT C-026-xxxx

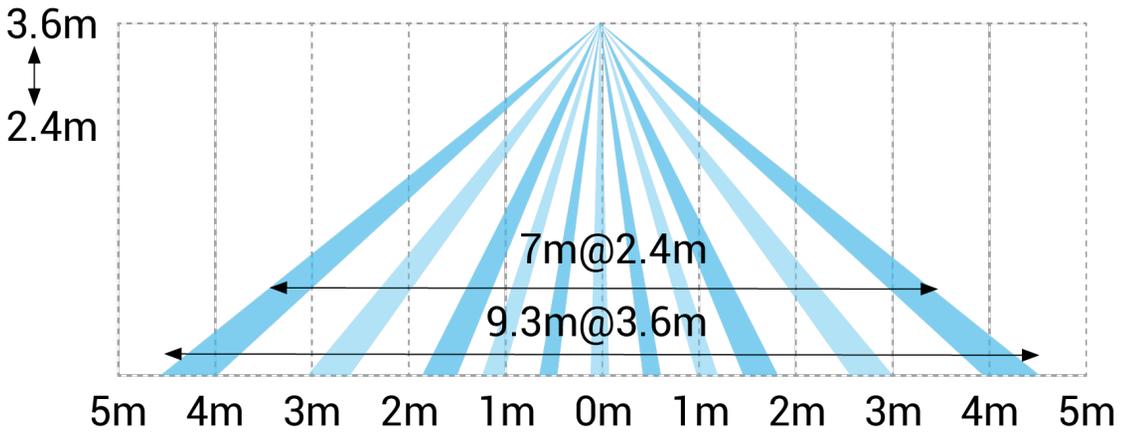
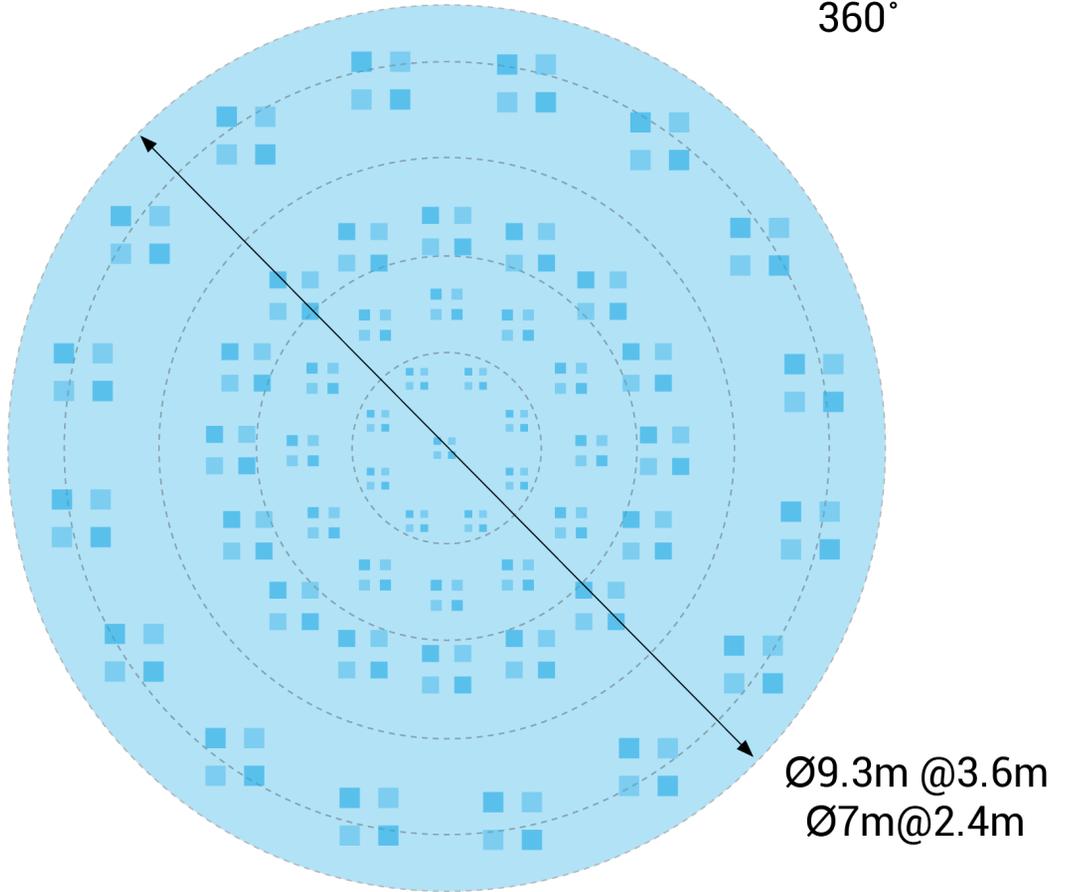
G2 LOW



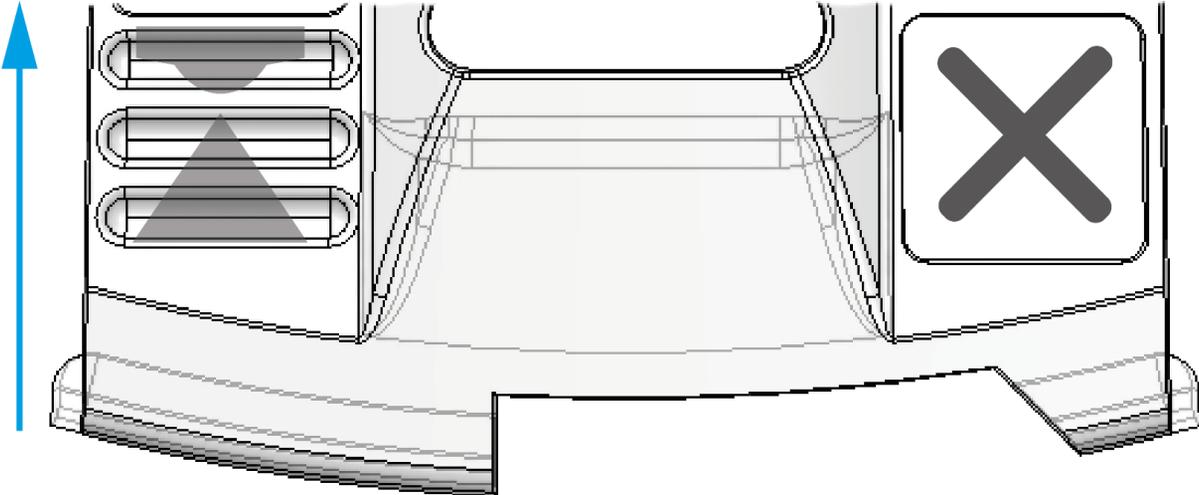
Texcom Ltd, BB4 4PW, UK
Made in the UK

PIR

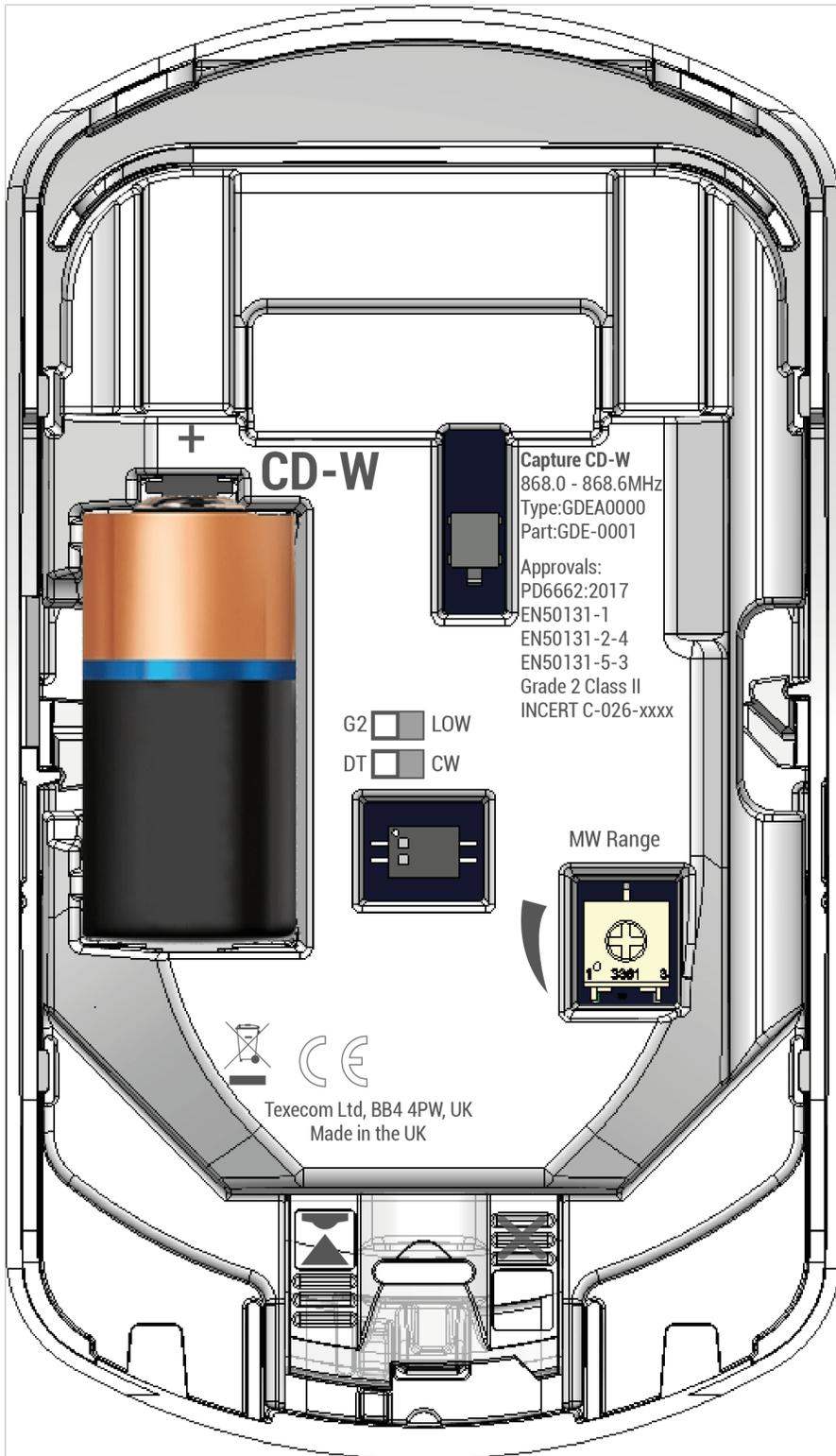
360°



DO NOT USE



2.5 CAPTURE CD-W



CD-W

Capture CD-W
868.0 - 868.6MHz
Type:GDEA0000
Part:GDE-0001

Approvals:
PD6662:2017
EN50131-1
EN50131-2-4
EN50131-5-3
Grade 2 Class II
INCERT C-026-xxxx

G2 LOW
DT CW

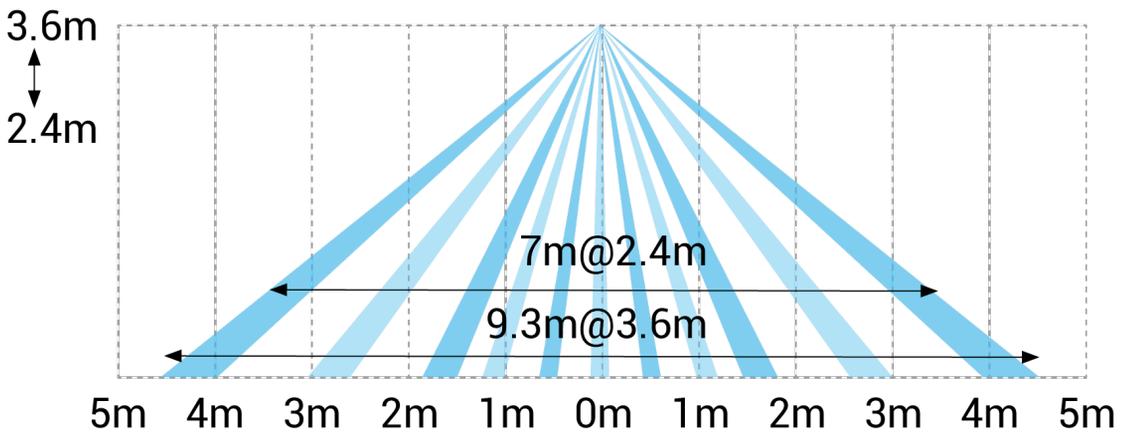
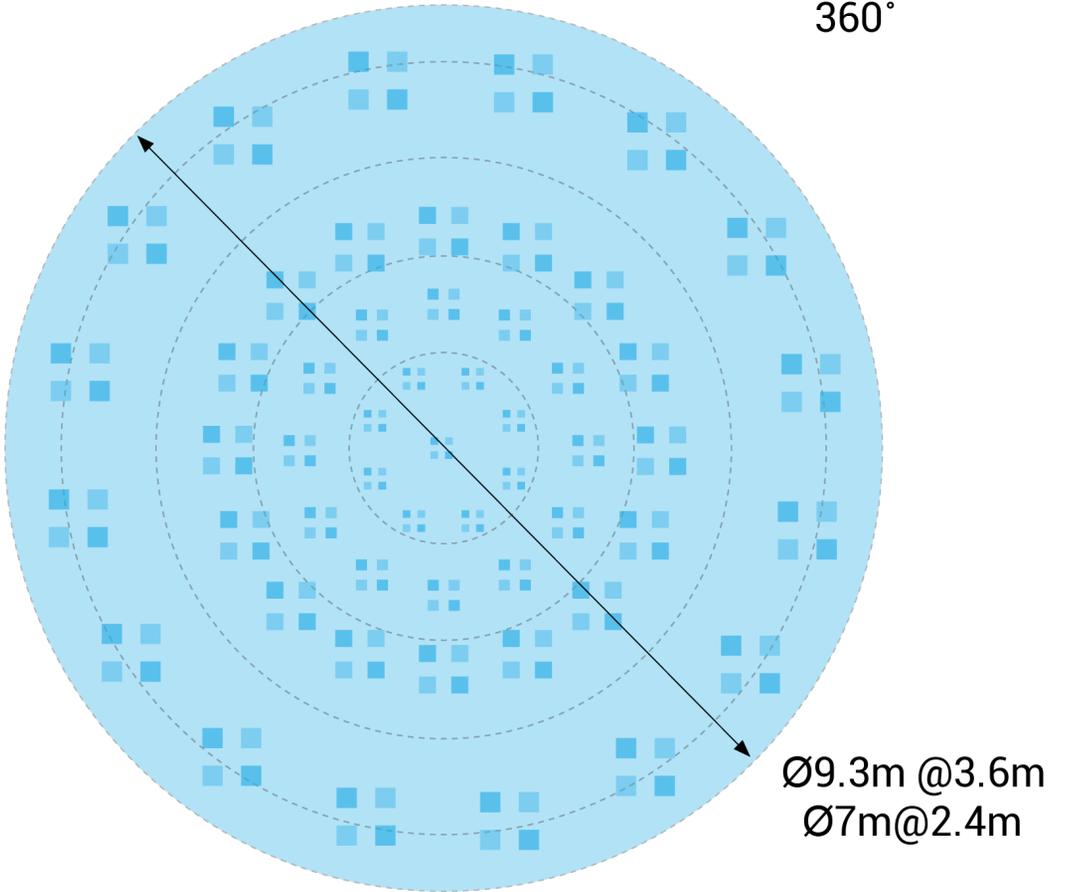
MW Range



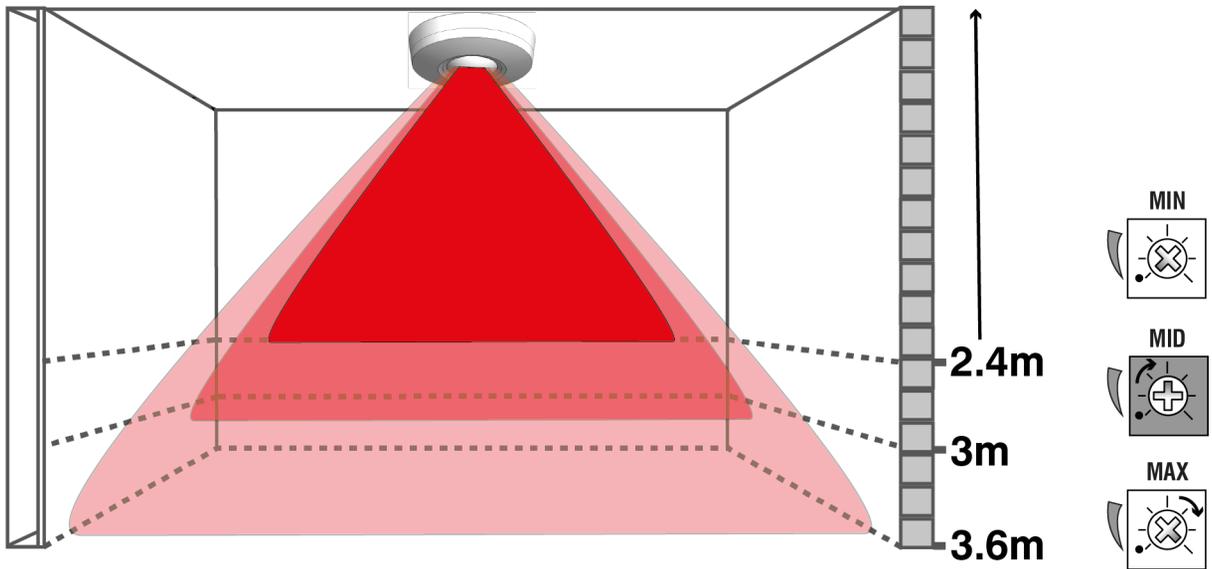
Texcom Ltd, BB4 4PW, UK
Made in the UK

PIR

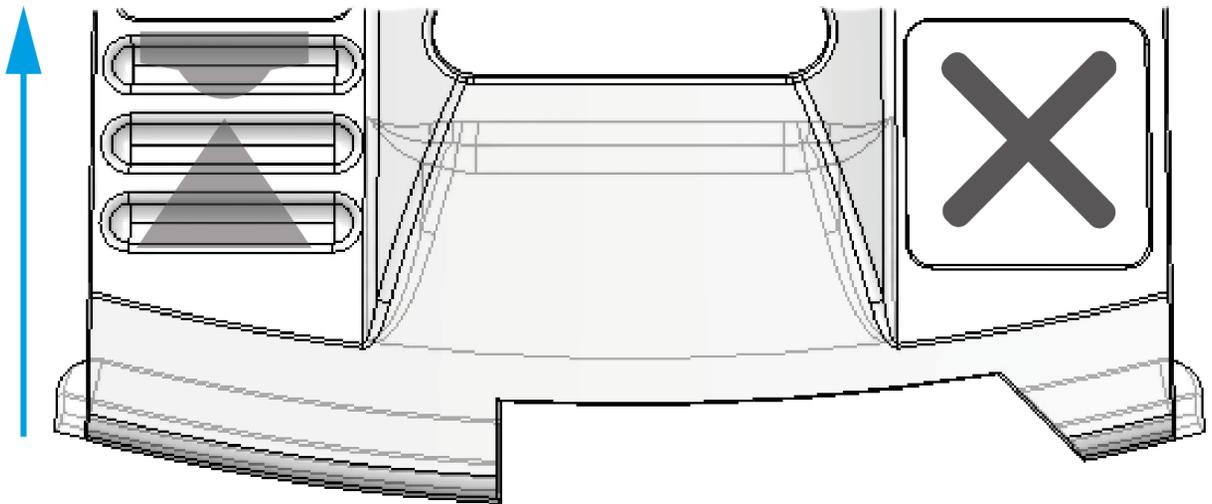
360°



Microwave



DO NOT USE



3.0 Accessories

3.1 Branding

Branding is available for wall mount devices from our website [CLICK HERE](#) and consists of a printed insert and a clear cover which fits over the front of the device and holds the insert in place.

Note: The cover should be removed before sliding the front of the device off for servicing or adjustment.







*Bespoke branding.
Captured.*



ABC ALARMS

3.2 Optional wall or ceiling brackets

Part Numbers

Pack of 10 brackets **AFU-0004** (not compliant with EN50131-2-2 and EN50131-2-4)

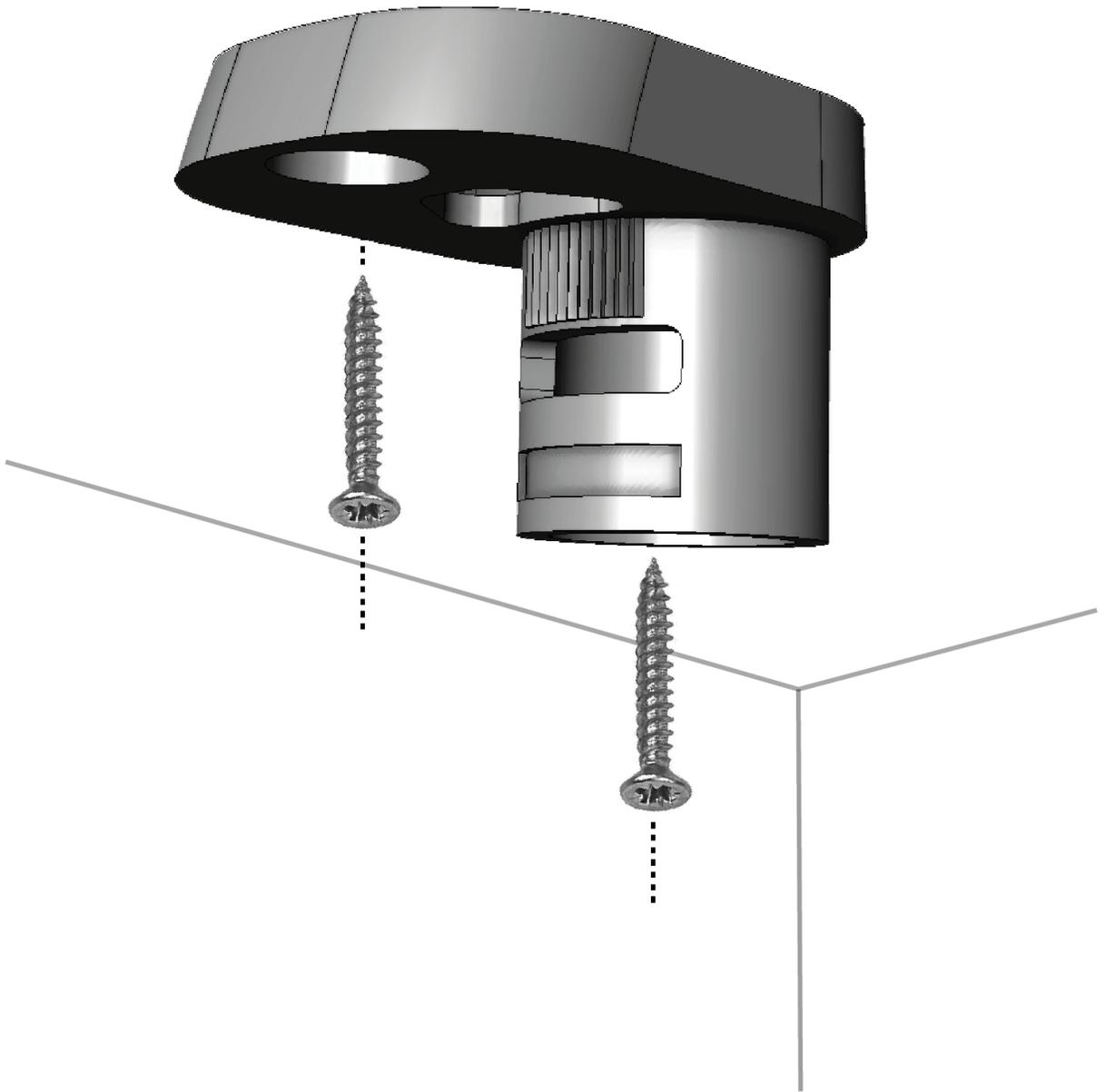
Screws & Fixings

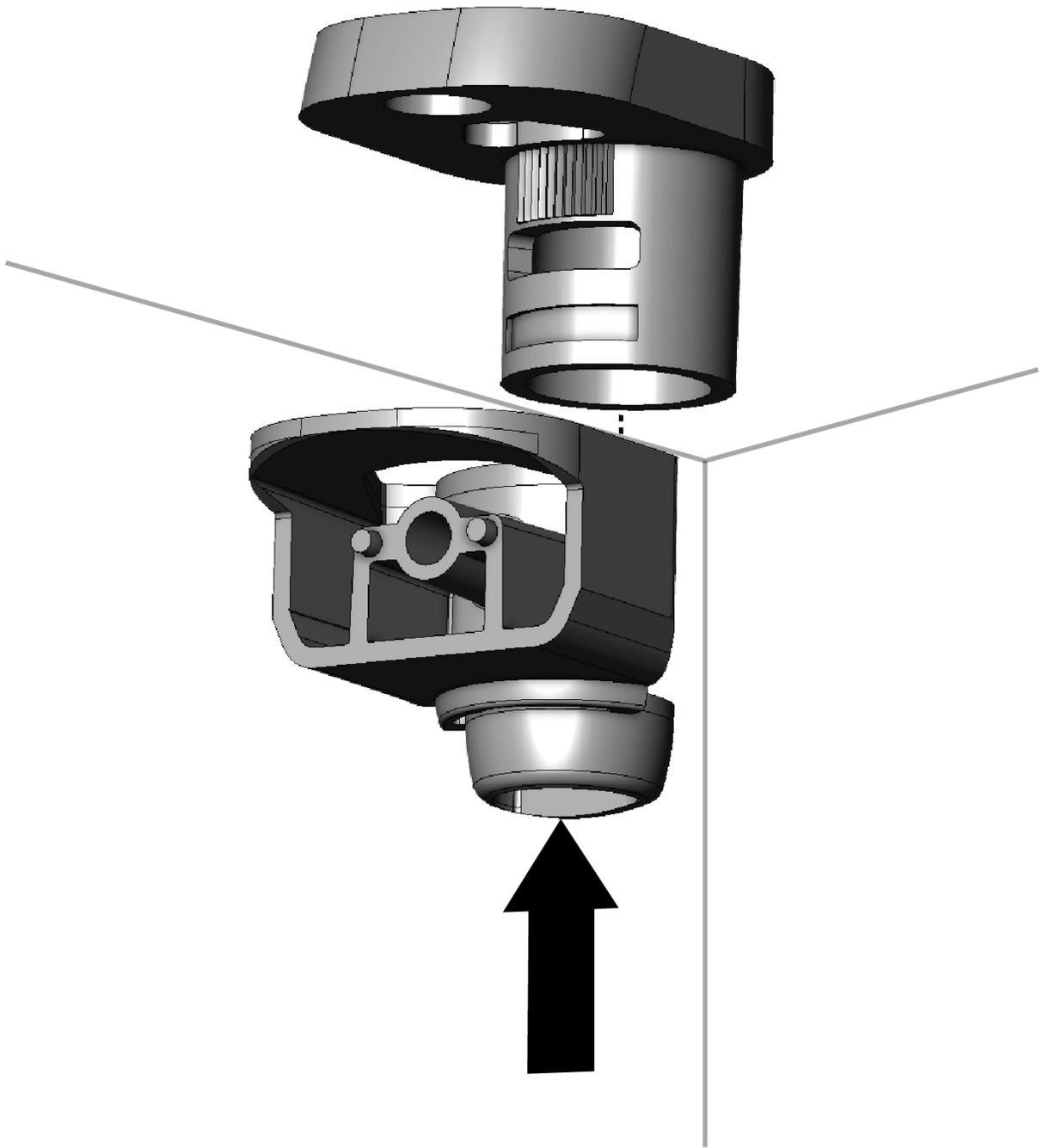
To ensure maximum stability 2 screws should be used for either mounting option.

Dependent on the mounting substrate, suitable fixings may be required. The size and type will depend on the choice of fixing screw.

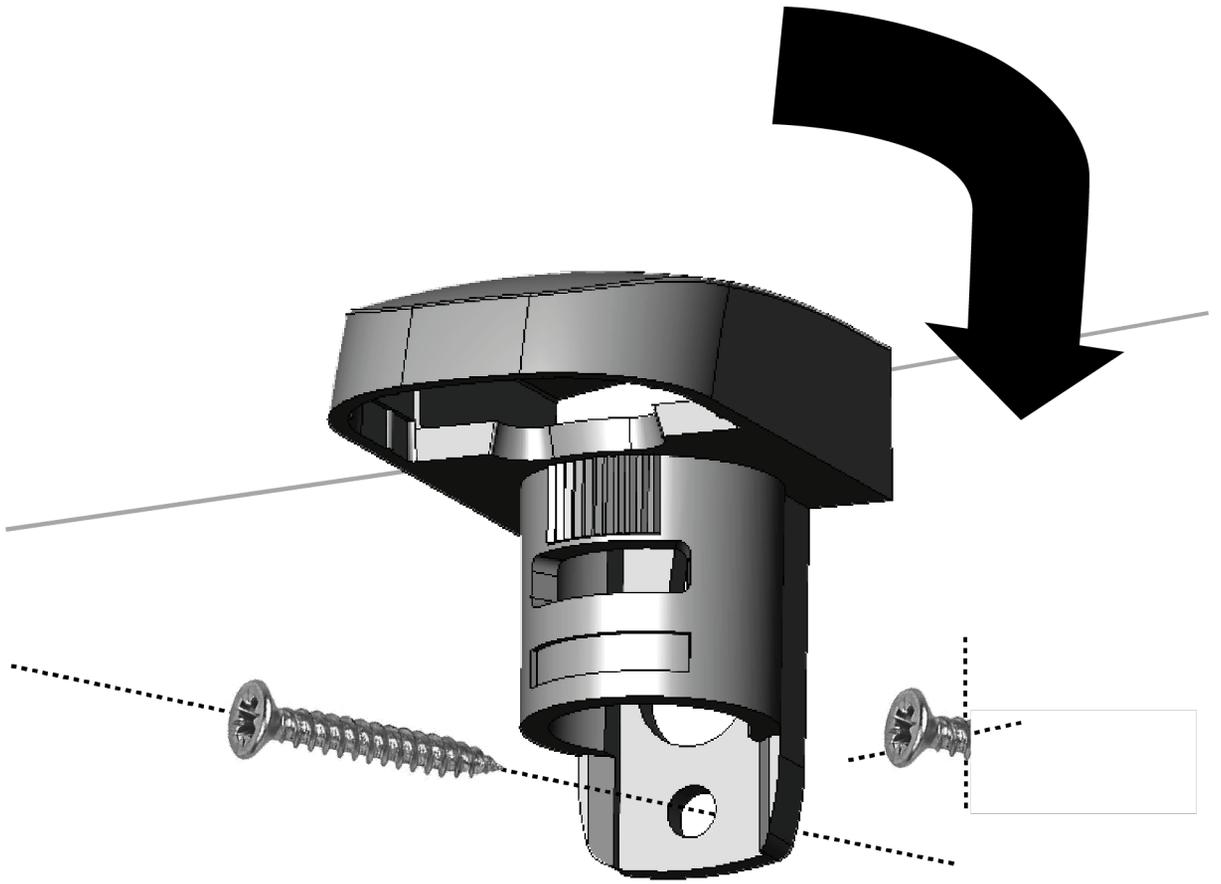
- Ceiling mount
 - Minimum screw size 3.5 X 16mm CSK
 - Maximum screw size 4.0 X 70mm CSK
- Wall mount
 - Minimum screw size 3.0 X 12mm Pan head
 - Maximum screw size 3.5 X 40mm Pan head

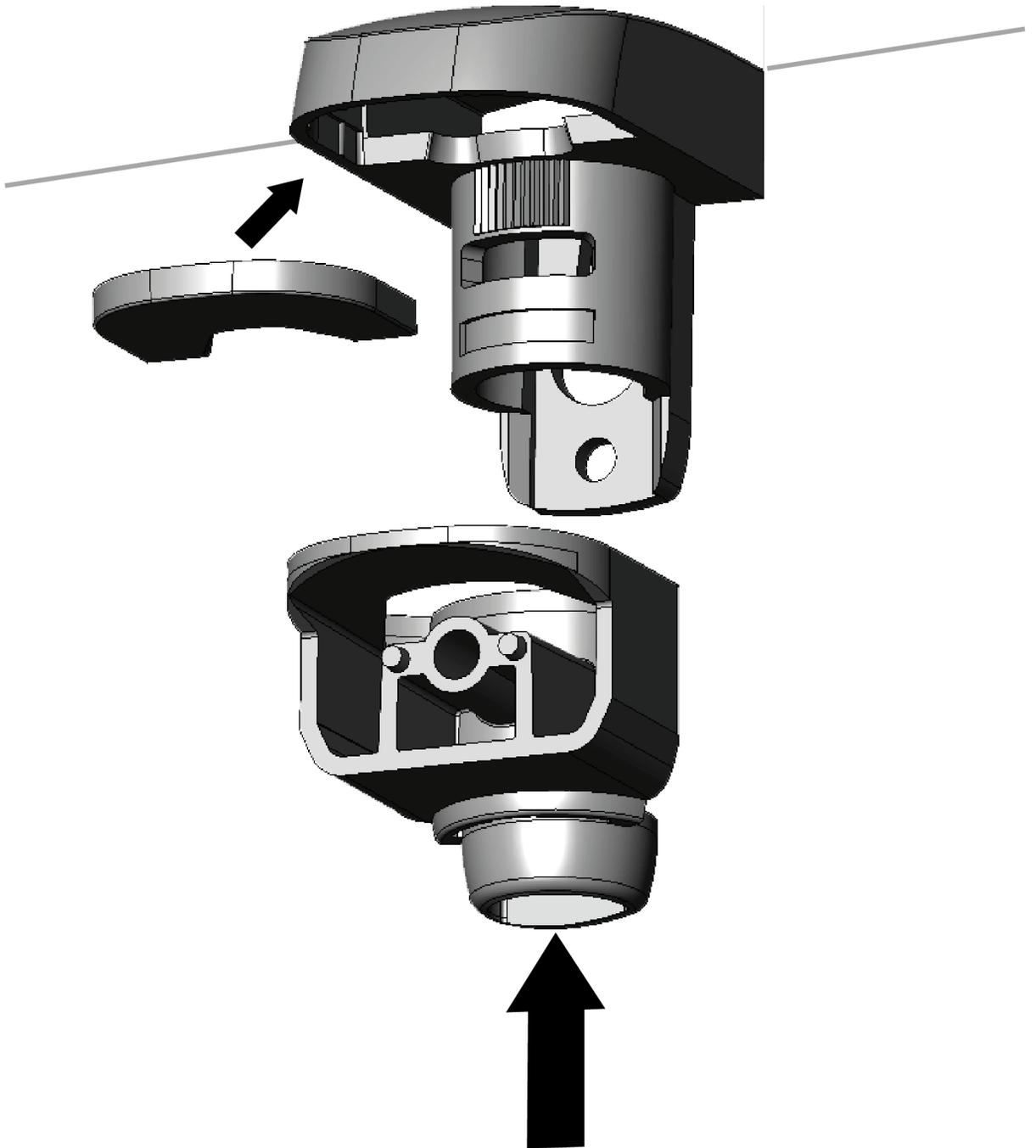
Ceiling mount installation





Wall mount installation







4.0 Specifications

Specifications	P15-W, Q20-W, D20-W, CQ-W, CD-W
	EN50131-2-2 (P15-W, Q20-W, CQ-W), EN50131-2-4 (D20-W, CD-W), EN50131-1, PD6662:2017 Grade 2 Class II
Product Type & Frequency Band	P15-W, Q20-W, D20-W, CQ-W, CD-W 868.2 - 868.4MHz (GDAA-1000, GDBA-1000, GDDA-1000, GDCA-1000, GDEA-1000) 866.2 - 866.4MHz (GDAA-3000, GDBA-3000, GDDA-3000, GDCA-3000, GDEA-3000) 433.3 - 433.7MHz (GDAA-2000, GDBA-2000, GDDA-2000, GDCA-2000, GDEA-2000)
Receiver	Category 1, Class 2
Receiver LBT	Listen Before Talk

Transmitter Duty Cycle	<1%
Max RF Power	10mW
Low Voltage Signal	2.8V
Operating Voltage	3V
Maximum Current	P15-W, Q20-W, CQ-W = 18mA D20-W, CD-W = 38mA
Quiescent Current	P15-W, Q20-W, CQ-W = 15uA D20-W, CD-W = 16uA
Relative Humidity	0-95% non-condensing
Operating Temperature	-10°C to 55°
Weight	P15-W, Q20-W, CQ-W (no ring, fascia or battery) - 93g P15-W, Q20-W (with fascia, insert and battery) - 127g CQ-W (with ring and battery) - 167g D20-W, CD-W (no ring, fascia or battery) - 98g D20-W (with fascia, insert and battery) -133g CQ-W (with ring and battery) - 172g
Dimensions	Wall Mount: Width 65mm, Height 112mm, Depth 43mm. Ceiling Mount: 125mm Diameter, Depth 43mm.

PSU Characteristics (Type C)	P15-W/Q20-W/CQ-W	D20-W/CD-W
Quiescent Current (Set and Unset)	15uA	16uA
Current During Alarm (Period)	18mA (40ms)	38mA (40ms)
Current During Set and Unset (Period)	18mA (40ms)	18mA (40ms)

Current During Supervision (Period)	18mA (40ms)	18mA (40ms)
Supervision Frequency (Per Hour)	4	4

PSU Characteristics (Type C)	
Capacity of Supplied Battery	1250mAH
Low Voltage Signal	2.8V
End of Life Voltage	2.20V

5.0 Legal information

5.1 Supplier

Texecom Ltd, Haslingden, Lancashire, BB4 4PW, UK.

Made in England

5.2 WEEE Directive

2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. To recycle, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

5.3 Maintenance

Test yearly by the installer

5.4 Warranty

Lifetime warranty. (excludes battery which is 24 months) As the CAPTURE P15-W, Q20-W, D20-W, CQ-W, CD-W is not a complete alarm system, but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the CAPTURE P15-W, Q20-W, D20-W, CQ-W, CD-W failed to function correctly. Due to our policy of continuous improvement Texecom reserves the right to change specification without prior notice. Texecom provides a **10 year warranty** to end user customers who purchase new products in its Capture range (**Products**). Further details of this 10 year warranty are set out here

https://www.texecom.com/uk/uploads/Capture_Lifetime_Warranty_20201023.pdf A current list of products can be found here: <https://www.capture.texecom.com/select>

Hereby, Texecom declares that the equipment type :

868.2 – 868.4MHz (GDAA-1000, GDBA-1000, GDCA-1000, GDDA-1000, GDEA-1000)

866.2 – 866.4MHz (GDAA-3000, GDBA-3000, GDCA-3000, GDDA-3000, GDEA-3000)

433.3 – 433.7MHz (GDAA-2000, GDBA-2000, GDCA-2000, GDDA-2000, GDEA-2000)

are in compliance with the Electro-magnetic Compatibility(EMC) Directive 2014/30/EU. The full EU declaration of conformity is available here:

<https://www.texecom.com/cert/doc/>

Certified by KIWA (Telefication) B.V.

5.5 Battery safety

- Do not throw into a fire
- Do not charge
- Always observe local regulations when disposing of a battery
- Detector will transmit low battery warning when battery needs replacing
- Do not heat
- Do not short circuit
- Do not disassemble
- Replace with battery type CR123

