PestConnect

Multi Mouse Trap Connect (MMT) User Guide

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7-6-18 – GSD-100694 Version 1.2

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MMT - Overview

- Retrofittable to TinCat models from Victor and JT Eaton.
- Retrofittable to Little Pete models from JT Eaton
- Battery Powered
- Reports activations directly to PestNet Online
- Based on RI Connect LongReach 868/915MHz Technology

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Introduction to the PestConnect System

Control Panel

MMT Connect Units

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MMT Technical Details

Battery Supply	2 x AA Cell Alkaline Batteries
Dimensions	112mm x 38mm x 60mm
Material	20% Glass Filled PC
Weight	173g
Operating Temperature	-20 to +50 Celcius
Mounting	JT Eaton & Victor TinCat's JT Eaton Little Pete
Standards/Certifications	FCC
IP Rating	IP67

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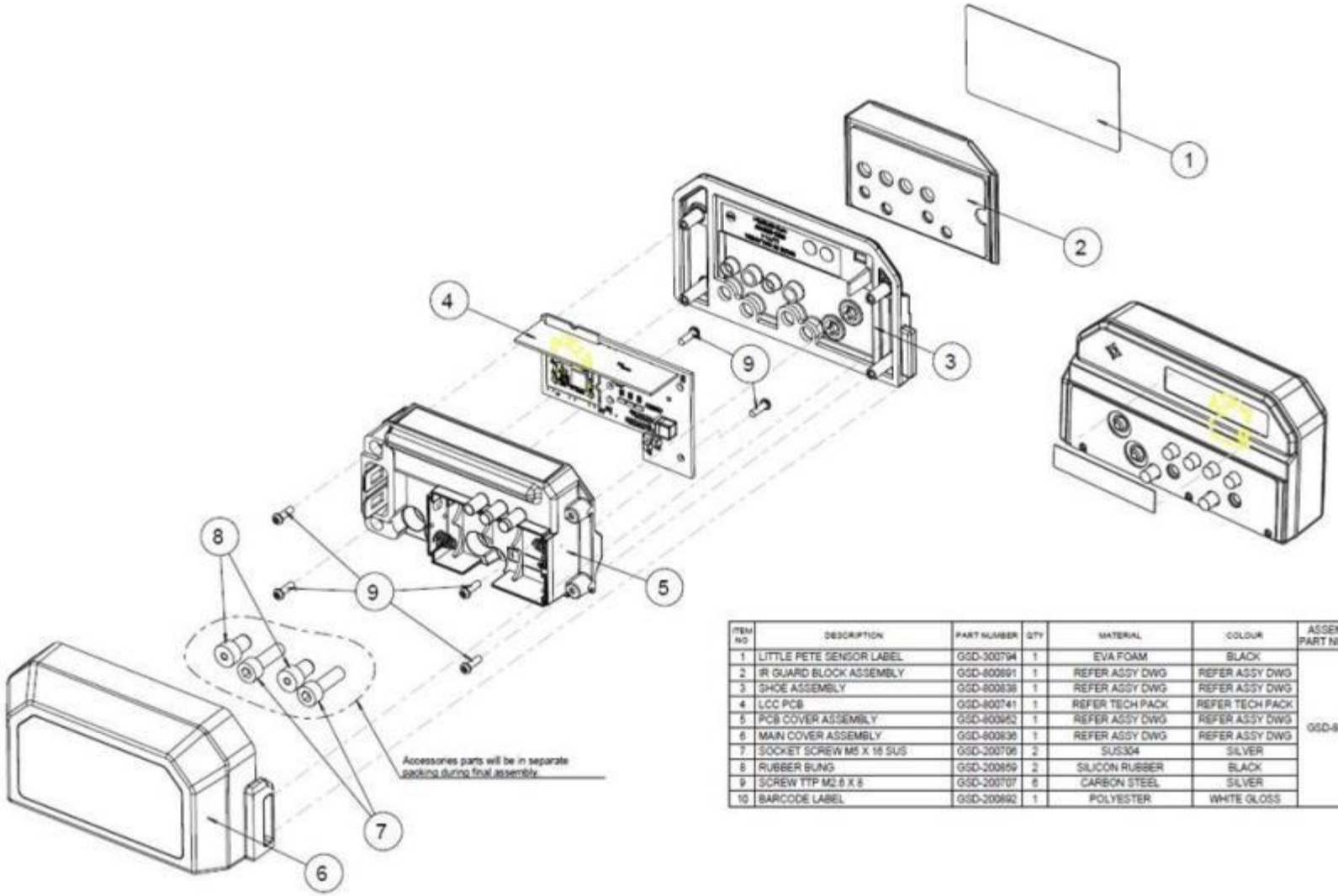
Product Exploded View



ITEM NO	DESCRIPTION	PART NUMBER	QTY	MATERIAL	COLOUR	ASSEMBLY PART NUMBER	SKU NO.
1	LITTLE PETE SENSOR LABEL	GSD-300794	1	EVA FOAM	BLACK	GSD-800910	304836
2	IR GUARD BLOCK ASSEMBLY	GSD-800891	1	REFER ASSY DWG	REFER ASSY DWG		
3	SHOE ASSEMBLY	GSD-800838	1	REFER ASSY DWG	REFER ASSY DWG		
4	LCC PCB	GSD-800741	1	REFER TECH PACK	REFER TECH PACK		
5	PCB COVER ASSEMBLY	GSD-800842	1	REFER ASSY DWG	REFER ASSY DWG		
6	MAIN COVER ASSEMBLY	GSD-800836	1	REFER ASSY DWG	REFER ASSY DWG		
7	SOCKET SCREW M5 X 16 SUS	GSD-200706	2	SUS304	SILVER		
8	RUBBER BUNG	GSD-200859	2	SILICON RUBBER	BLACK		
9	SCREW TTP M2.6 X 8	GSD-200707	6	CARBON STEEL	SILVER		
10	BARCODE LABEL	GSD-200892	1	POLYESTER	WHITE GLOSS		

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MMT Sensor – Key Hardware Features 1 / 2

Infra Red light Sensors scan inside the trap, monitoring for rodent activity.

2 x Hidden until lit LED's show the technician the status of the trap

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MMT Sensor – Key Hardware Features 2 / 2

Battery compartment – housing 2 x AA Alkaline Batteries

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In box components

NB: For each box of 10 x MMT sensors 1x Pest Key and 2x allen keys will be provided

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Install Step 1 – Remove Front Cover using Pest Key

Step 1

Step 2

Step 3

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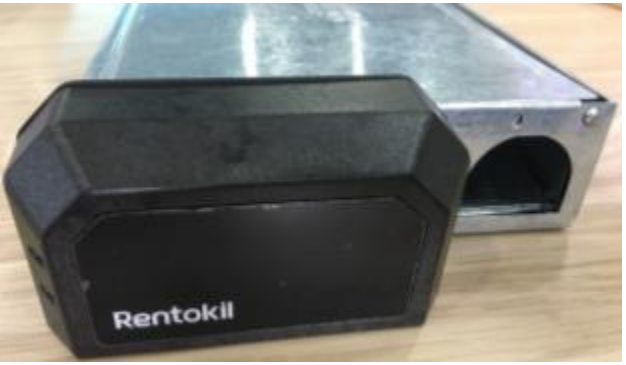
Install Step 3 – Align Infra Red Sensors Lenses to the openings in the trap



Victor Tin Cat

JT Eaton Tin Cat

Infra red sensor lenses align with the traps on the RHS as shown above for Tin Cat.
NB: For Little Pete there is only one alignment option.

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Install Step 4 – Bolt Sensor to trap

Victor Tin Cat

JT Eaton Tin Cat

Position LED Lenses to Trap Holes as shown above.

Take the Trap Fixing Bracket and Orientate as shown above.

Place the Trap Fixing Bracket over the LED Lenses and hold together for bolting (see next page).

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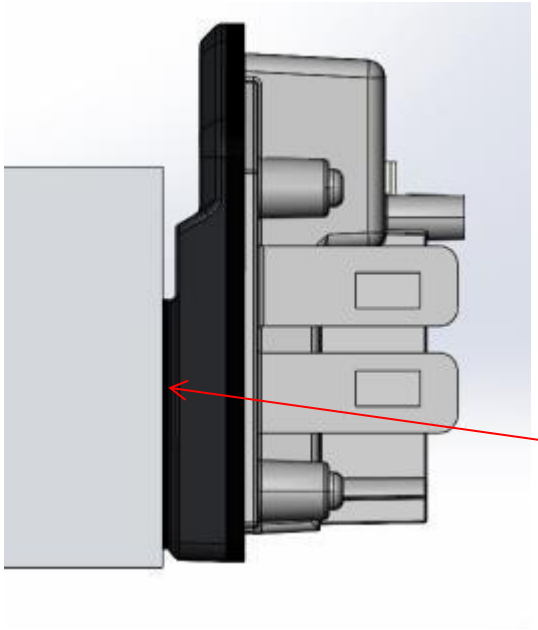
Install Step 4 – Bolt Sensor to trap

First Bolt

Second Bolt

Bolts Fitted

Tighten bolts using allen key provided or any suitable 8mm allen key.
Please note that the above bolt configuration is for Victor Tin Cat.
Use the other set of holes for bolting the JT Eaton Tin Cat.



Tighten bolts & ensure sensor is securely fitted to the trap. The Sensor should be parallel to trap as shown left.

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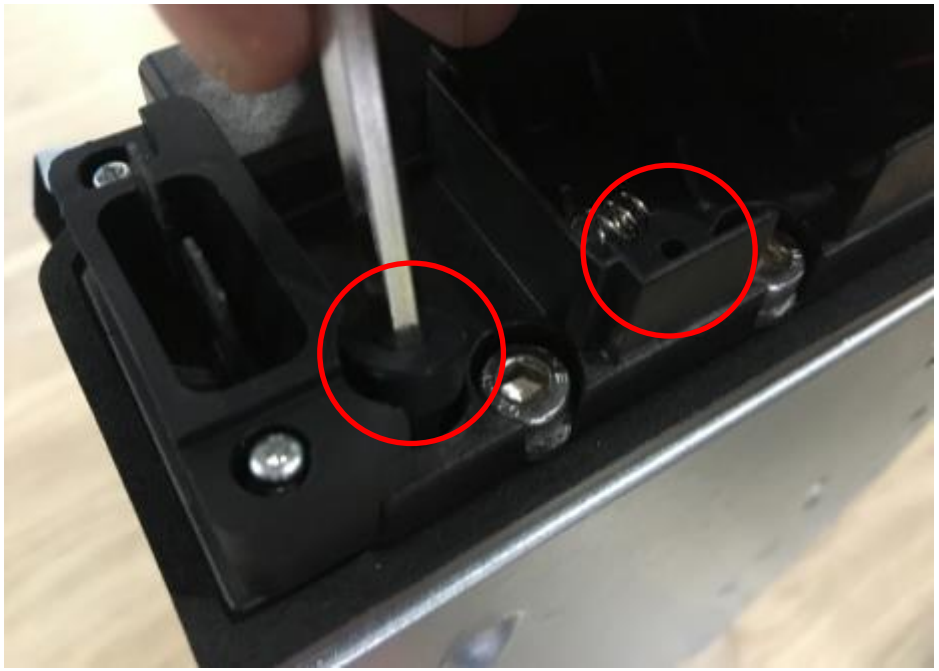
Install Step 5 – Fit Rubber Bungs

Fit the two supplied rubber bungs to the sensor using the allen key supplied. This is required to close and seal the two unused holes to prevent water ingress (mandatory).
Please note that this bolt configuration is for Victor Tin Cat.
Use the other set of holes for rubber bungs sealing the JT Eaton Tin Cat.



Push the bung firmly down to fully insert as shown. The top of the rubber bung must be level or sub flush to the top surface in both positions.

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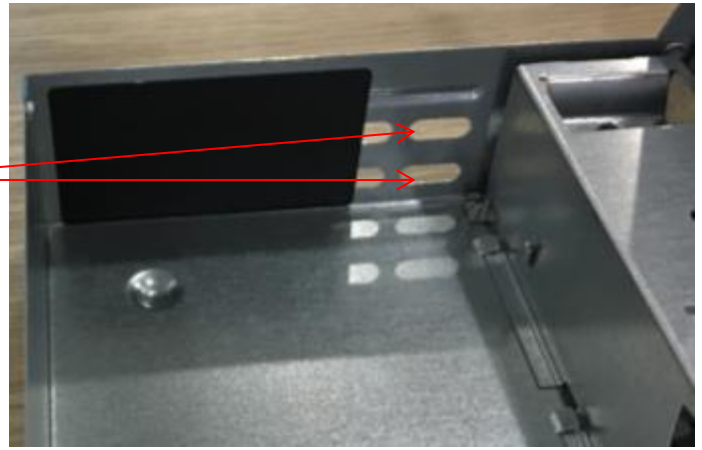
Install Step 6 – Fit Label to Trap

Fit the supplied black label inside the Victor/JT Eaton at the opposite end of the trap from the sensor (mandatory). Peel back the release liner to reveal the adhesive and adhere accordingly. Please note that this configuration (Picture left) is Victor Tin Cat. Identical required for JT Eaton Tin Cat.

Ensure that these two holes remain open.



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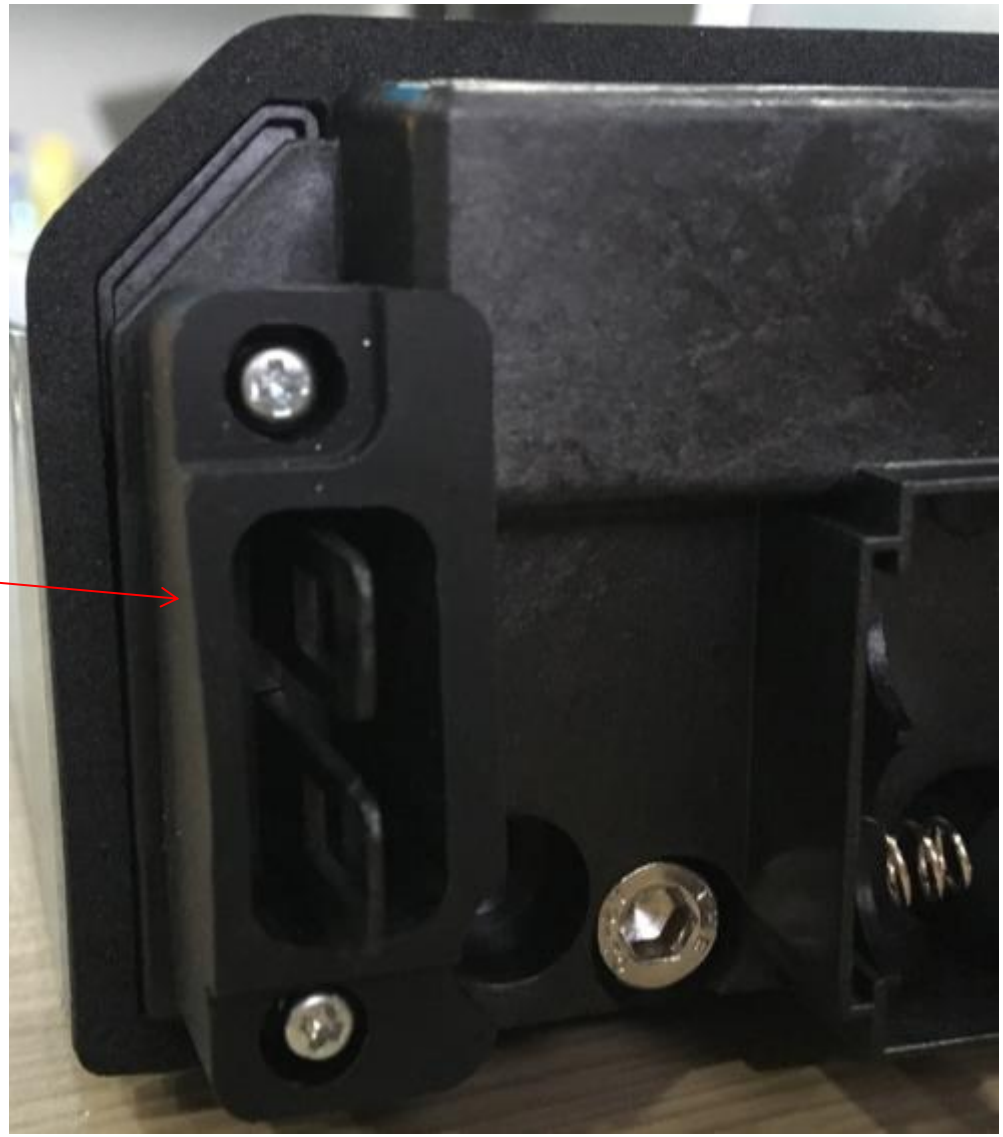
Install Step 7 – Fit Rubber Sealing Boot.

Orientate and Push Fit the supplied Black Rubber Sealing Boot to the Sensor in position shown left (mandatory).



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Install Step 8 – Install Batteries

Note 1: Only use suitable AA Alkaline Batteries

Note 2: The trap lid **MUST BE CLOSED** during the battery installation to avoid false triggers during the final setup stage, pictures for reference only.

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Install Step 9 – Replace the Cover

Right hand side first, ensuring clip is engaged

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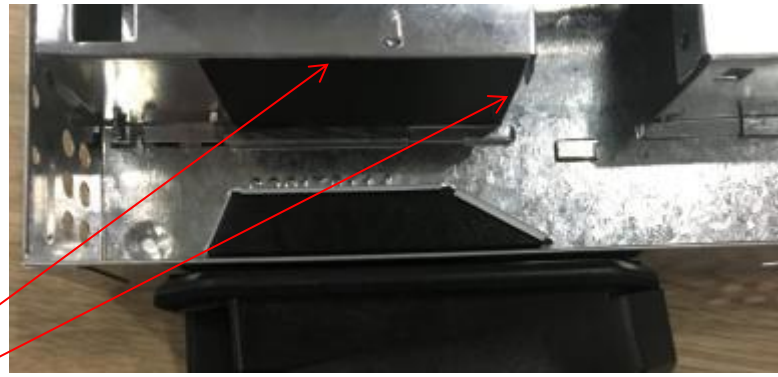
Fitment to Little Pete

To fit the MMT sensor to a Little Pete trap.
Follow all of the previous steps (identical hole configuration to JT Eaton Tin Cat).



Align label with top edge of entrance housing

Ensure label is flat and smooth when finished.

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Connect Setup Sequence (1/2)

(Read all steps through before starting)

Upon initial Power Up the two LED'S go into a Red Level Crossing Effect.

Open Trap and break the infra red sensor beams.

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Connect Setup Sequence (2/2)

(Read all steps through before starting)

Close Lid

LED's now flash Red/Blue until connected to the control panel at which point 5 blue flashes will indicate a successful connection.

Connection can take upto 2minutes depending on the number of repeaters installed, wait until the "5 blue flashes" are seen

Trap is now connected and ready to be placed in situ and left.

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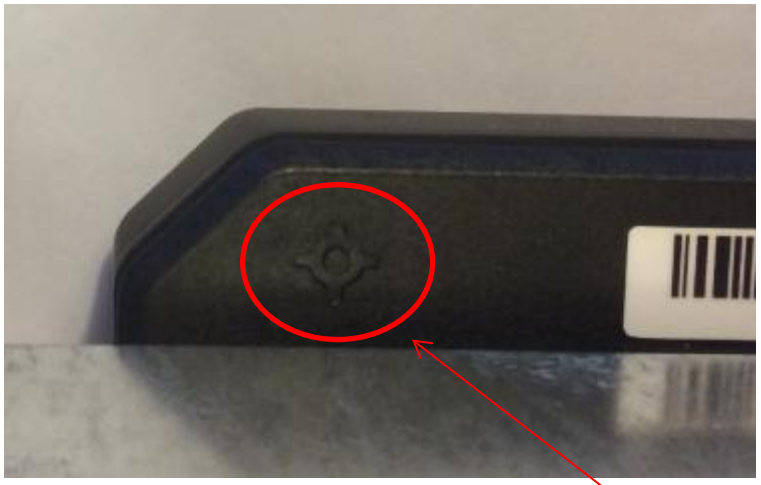
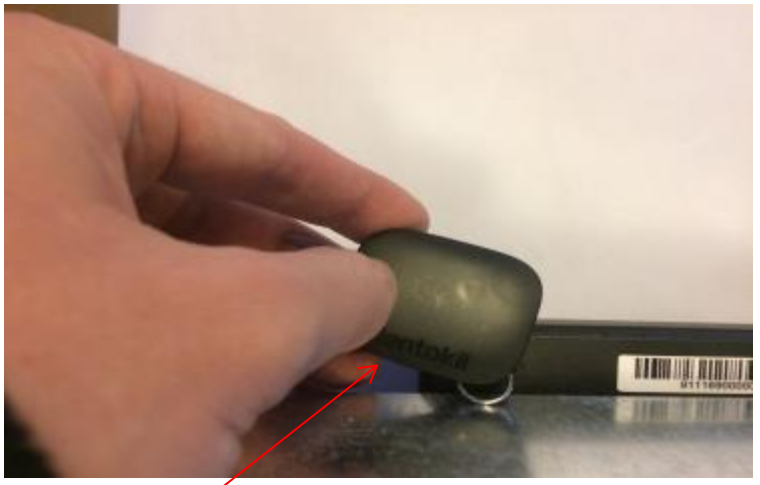
Technician Service Mode (1/2)





Place pest key over the magnet target area for a few seconds and then remove and watch for blue LEDs (Level Crossing Effect).

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Technician Service Mode (2/2)

2 x Blue LED's flash every 3 seconds indicating it is now ok to open the lid of the trap to service. Servicing can commence.

To rearm the trap swipe the magnet again and repeat the 'Connect Setup Sequence' by testing the IR's and confirming the system has reconnected to the Control Panel.

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Signal Test Mode

It is possible to put the device into Radio Check mode where the signal strength is indicated by the colour of the flashing LED.

To put the Device into Radio Check Mode, switch on the device and wait for 10 seconds, the LED's will flash red during this time before turning to yellow after 10 seconds. Once the LED's are flashing yellow break the beams should be broken.

Break the infrared beams (in the same way as the normal setup) to start the Radio Check. The LED will now flash every 3 seconds to indicate the state of the connection to the Control Panel with the following values:

LED Colour	Signal Strength
Blue	Strong
Yellow	Functional but should be improved
Red	NO Signal

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LED's & Troubleshooting

LED	Sensor State	Detail	Action
Single Solid Red	During Power on	Battery Level Low	Replace Battery
Red Level Crossing LED	During Power on	Trap awaiting sensor test	Open Lid and break the infra red beams with hand
Red & Blue Flashing LED	Setup	Attempting connection to Control Panel	Please wait
5 x Blue LED Flashes	Setup / Connection to Control Panel	Sensor has successfully connected to the Control Panel	No action required
5 x Red LED Flashes	Setup / Connection to Control Panel	Sensor has been unable to connect to the Control Panel.	Reduce the distance from sensor to Control Panel or install a repeater.
Single flashing blue LED	Setup	One set of Infra Red sensors has been tested, awaiting test of other set.	Replace hand in trap and swipe left to right, place hand closer to sensor. Replace sensor if fault persists
Solid Green LED	Setup	Infra Red Sensors have not been triggered within 30 seconds	Begin setup again. Replace sensor if unable to clear fault.
Rapid Flashing Green LED	Setup	One set of IR's has passed, one set has failed and 30 seconds has elapsed	Begin setup again. Replace sensor if unable to clear fault
2 x Solid Blue LED's	Mag swipe	Sensor entering service mode	Wait 3 seconds for the trap to enter service mode
Blue Level Crossing LED	Service Mode	Trap is in service mode, it is safe to open the trap without sending false trigger alerts to the Control Panel	Service trap
Solid RED LED – Flashing Blue LED	Entering Service Mode	Low Battery has been detected	Replace battery

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FCC Warning Statement

FCC warning statement:

- This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

ISED warning statement:

- This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and
(2) (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment contains FCC ID: 2AK3PGSD-500349 and IC ID: 22407-GSD500349

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Notices

LIMITATION OF LIABILITY AND DAMAGES

The product and the softwares within are provided on an “as is” basis. The manufacturer and manufacturer’s resellers (collectively known as “The Sellers”) disclaim all warranties, express, implied or statutory, including and without limitation the implied warranties of non-infringement, merchantability or fitness for a particular purpose, or any warranties arising from course of dealing, course of performance, or usage of trade. In no event will the sellers be liable for damages or loss, including but not limited to direct, indirect, special, wilful, punitive, incidental, exemplary or consequential damages, damages for loss of business profits, or damages for loss of business of any customer or third party arising out of the use or the inability to use the product, including but not limited to those resulting from defects in the product or documentation. In no event shall the sellers’ total cumulative liability of each and every kind in relation to the product exceed the cost to replace the product.

Product disposal instructions for residential users

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid increasing landfill. The symbol shown above and on the product means that the product is classed as Electrical or Electronic Equipment and you should not put it into your domestic waste bin. When you’ve no more use for it, please dispose of the product according to your local authority’s recycling scheme. For more information, please contact your local authority or the retailer where you bought the product.

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Thank you

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