

# OSID

## Obtaining the Lithium Exchange Kit OSE-RBL and Removing and Disposing of the Lithium Battery

### Application Note

November 2016

Doc. 29577\_03



---

## Contents

1	Scope .....	3
2	General warranty.....	3
3	How to determine the Lithium battery end of life .....	3
4	How to order the OSE-RBL .....	3
5	Disposing of the Lithium batteries.....	4
5.1	Opening the Emitter .....	4
5.2	Battery removal.....	5
5.3	Disposing of the battery.....	6

This page is intentionally left blank.

# 1 Scope

This Application Note describes how to order and obtain the OSE-RBL and the removal and disposal of the lithium battery from the OSE-SP.

# 2 General warranty

The warranty for the Imagers and Emitters is two years from date of manufacturing. An extra six months is added to compensate for shelf life.

The batteries used in the OSID Emitters have an expected lifetime of five years when used in the Standard Power Emitters and three years when used in High Power Emitters.

# 3 How to determine the Lithium battery end of life

The early Emitters, type OSE-SP, were equipped with a lithium battery located in the eyeball. When the battery approaches its end of life, the fault LED will blink five slow pulses indicating that Emitter battery is approaching end of life and needs to be replaced at the next scheduled maintenance visit.

Note that smoke detection continues to function while there is sufficient residual battery power and the trouble relay will trip once the battery life is exceeded.

When using the OSID Diagnostic the following fault information will be displayed in two phases:

F112	Emitter battery life warning	Emitter battery is 13 months or less from its end of life. The fault LED is blinking but the fault relay is not tripped for this fault
F113	Emitter battery expired	Emitter battery has reached end of commercial life and needs replacing

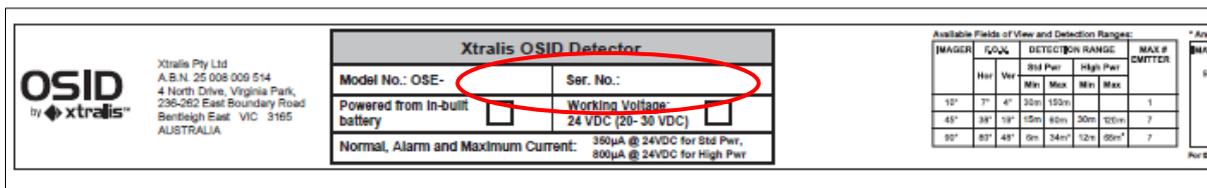
Only when the Emitter has reached the end of its commercial life it needs to be replaced by using the OSE-RBL battery exchange unit.

# 4 How to order the OSE-RBL

When the trouble relay trips and the battery life is exceeded you can order the OSE-RBL - Lithium Exchange Kit.

To receive OSE-RBL you need to order the kit through your standard channel/supplier via the current RMA procedure and provide the Serial Numbers of the Emitters you plan replacing.

The serial number can be found on the label at the bottom of the Emitter.



There is no need to return the exchanged OSE-SP to Xtralis. The Lithium batteries should be locally removed and disposed of according to local regulations. The remaining housing and electronic components should also be disposed of according to local regulations.



### Warning!

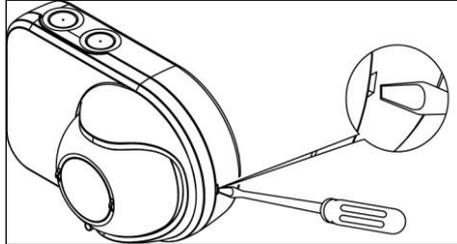
- DO NOT attempt to exchange the lithium battery with any 3<sup>rd</sup> party item.
- ONLY use the Xtralis OSE-RBL battery exchange unit.
- Replacing the lithium battery with another or similar battery will void the detectors certification and detector performance cannot be assured.

Install the new Emitter and initialize it following the same procedure for installing a new Emitter explained in the OSID Product Guide, document # 15204. While you are replacing batteries, please do take advantage of this situation to upgrade Imagers with the latest software. At the next battery replacement simply exchange the battery with the OSE-RBA, Emitter spare battery Alkaline. The OSE-RBA can be ordered like any other OSID unit and does not require passing by the RMA procedure.

## 5 Disposing of the Lithium batteries

### 5.1 Opening the Emitter

1. Detach the Front Cover by using a flat-blade screwdriver to gently lever the front cover away from the main assembly.



2. Remove the three screws from the cover that holds the eyeball in place and lift off the cover.



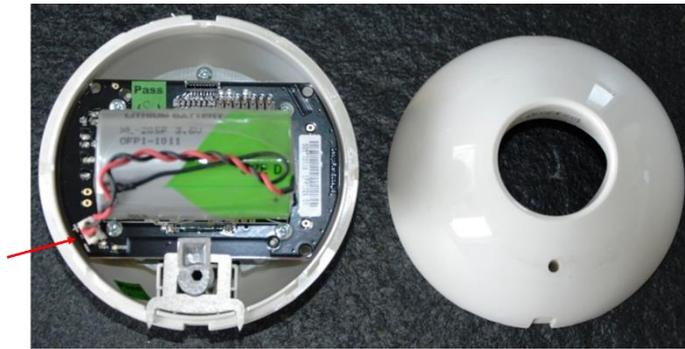
3. Lift the eyeball out of the body of the housing.



4. Use a screwdriver to open the two halves of the eyeball. You may need to apply a bit of force and choose several locations along both halves to open completely because the eyeball is not designed nor intended for opening.

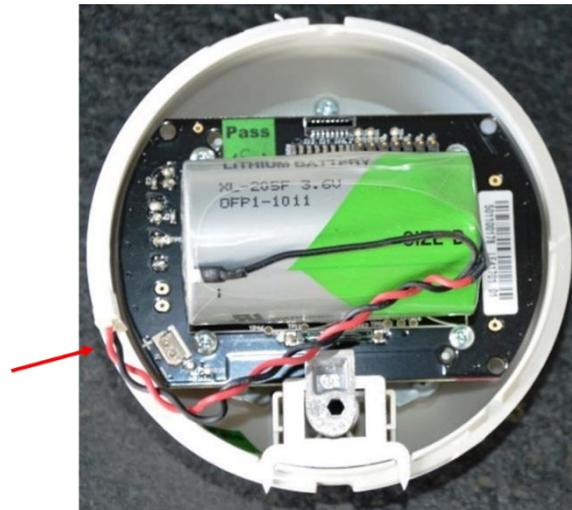


5. When open, remove the top half and note the battery connector.

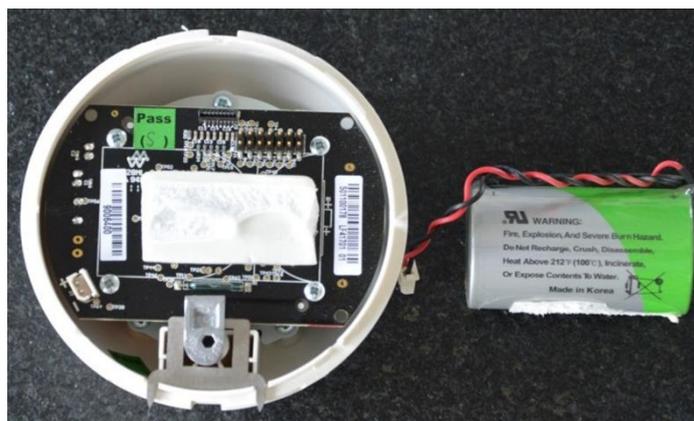


## 5.2 Battery removal

1. Unplug the battery connector.
2. Take care and make sure not to short circuit the battery leads.



3. The battery is fixed to the printed circuit board with double-sided sticky tape.
4. The adhesiveness is quite strong so you may have to apply a bit of force to detach the battery from the tape.



## 5.3 Disposing of the battery

Read the warning on the battery and dispose of according to local codes and standards.





[www.xtralis.com](http://www.xtralis.com)

**UK and Europe +44 1442 242 330**

**D-A-CH +49 431 23284 1**

**The Americas +1 781 740 2223**

**Middle East +962 6 588 5622**

**Asia +86 21 5240 0077**

**Australia and New Zealand +61 3 9936 7000**

The contents of this document are provided on an “as is” basis. No representation or warranty (either express or implied) is made as to the completeness, accuracy or reliability of the contents of this document. The manufacturer reserves the right to change designs or specifications without obligation and without further notice. Except as otherwise provided, all warranties, express or implied, including without limitation any implied warranties of merchantability and fitness for a particular purpose are expressly excluded.

Xtralis, the Xtralis logo, The Sooner You Know, VESDA-E, VESDA, ICAM, ECO, OSID, HeiTel, ADPRO, IntrusionTrace, LoiterTrace, ClientTrace, SmokeTrace, XOa, XOh, iTrace, iCommand, iRespond, iCommission, iPIR, and FMST are trademarks and/or registered trademarks of Xtralis and/or its subsidiaries in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Your use of this document does not constitute or create a licence or any other right to use the name and/or trademark and/or label.

This document is subject to copyright owned by Xtralis. You agree not to copy, communicate to the public, adapt, distribute, transfer, sell, modify or publish any contents of this document without the express prior written consent of Xtralis.