

# TECHNICAL NOTE

## Lithium Battery Replacement Safety Notice

Release Date: 5/1/2013

### Subject:

Specific safety precautions should be taken when installing or replacing lithium batteries in wireless or stand-alone devices. Failure to observe these precautions may result in battery failure, overheating, equipment damage, or the risk of fire.

This bulletin is a reminder of the procedures required to install or replace lithium batteries, in order to minimize these risks.

### Note:

Investigations conducted by Interlogix have identified a potential safety hazard if, during the act of replacing the primary lithium batteries in a product, the reverse polarity safeguards of the product are defeated and the internal safeguards of the battery are not present or are inadequate. This situation can result in overheating, leakage or rupture of the batteries, and a subsequent safety hazard.

We noted that the failure events occurred after one of the batteries was incorrectly installed with the polarity reversed. Do not assume “conventional” polarity orientation; verify the correct polarity each time. The correct polarity is indicated on the battery compartment and is shown in Figure 1 and Figure 2.

The investigations also determined that the batteries used for replacement were not the manufacturer models specified in the product’s installation instructions. Not all commercially available batteries have equivalent levels of safety features and manufacturing quality control. Therefore, only the batteries specified in the installation instructions should be used in these products. The batteries specified by Interlogix have been tested and qualified for use in the product and are listed in the appropriate agency and compliance records for the product.

Please be advised that UTCFSA is not responsible, and will not be liable, for any malfunctions, damages, or injuries caused where batteries other than those specified in the installation instructions are installed, or where correct battery polarity and handling has not been observed.

### Solutions

#### **ShatterPro glassbreak sensors**

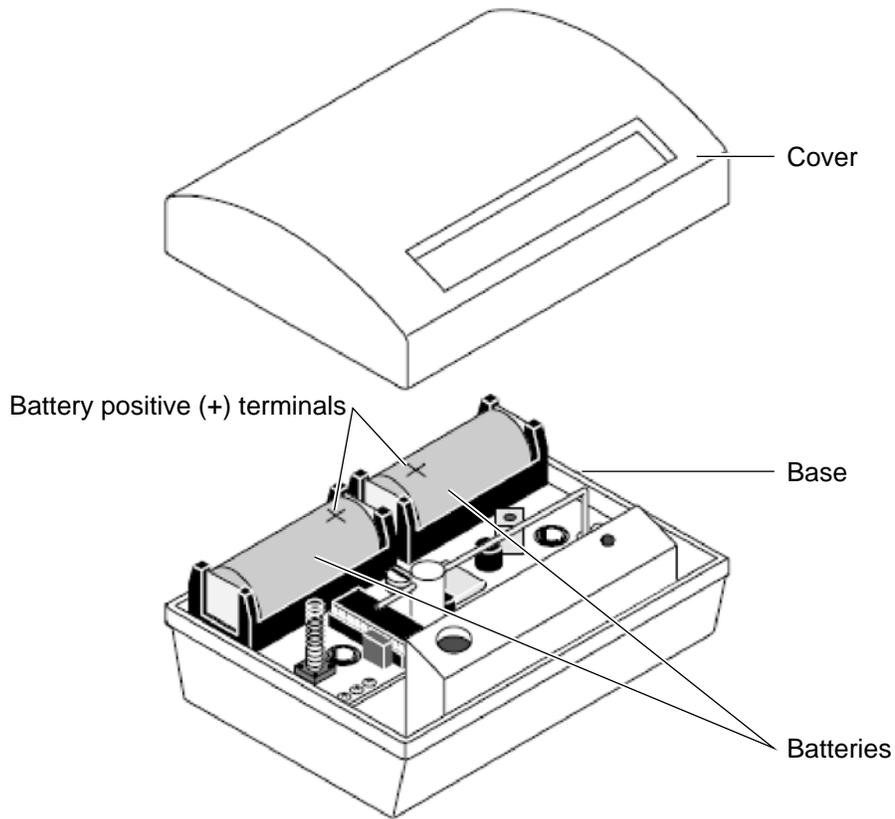
Models affected: 60-873-95, 60-873-43-EUR, NX-488, and RF90314.

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**Caution:** Risk of equipment damage. Installing the batteries in the wrong direction can result in equipment damage. Observe the correct polarity as marked on the battery compartment and as shown in Figure 1.

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Figure 1: Battery polarity for wireless glassbreak sensors



**Caution:** Risk of equipment damage. When replacing batteries, always replace *both* batteries and always use *new* batteries. Use only those batteries specified in the product installation instructions. These are listed in Table 1.

Table 1: Specified battery models

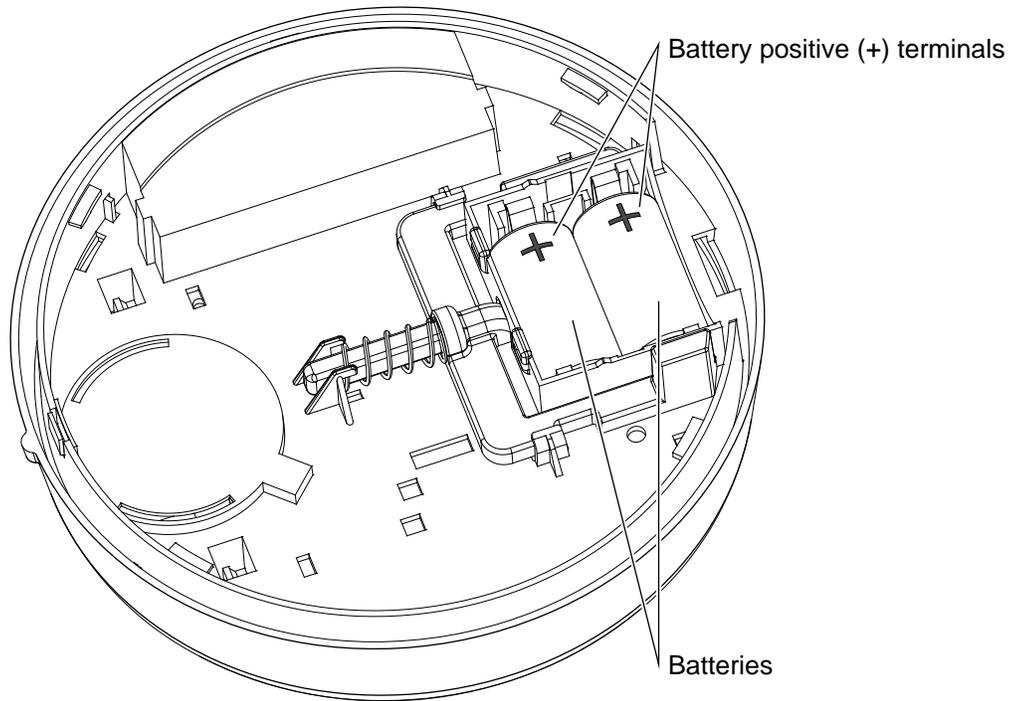
Batteries	Duracell 123 (DL123A)
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### Interlogix smoke alarms and detectors

Models affected: All Interlogix wireless smoke alarms and detectors powered by two 3V primary lithium batteries.

**Caution:** Risk of equipment damage. Installing the batteries in the wrong direction can result in equipment damage. Observe the correct polarity as marked on the battery compartment and as shown in Figure 2.

**Figure 2: Battery polarity for smoke alarms and detectors**



**Caution:** Risk of equipment damage. When replacing batteries, always replace *both* batteries and always use *new* batteries. Use only those batteries specified in the product installation instructions. These are listed in Table 2.

**Table 2: Specified battery models**

Battery	
Type	3V, lithium, CR123A
Replace with	Only Duracell 123 or Panasonic CR123A

### Contacting support

Interlogix Technical Support  
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