

ALISA

EURONEXT
GROWTH



Intelligent Sensing
Anywhere

c.Log

Battery Changing Procedure

DC452|ED01|EN

Março 2016

Índice

| | | |
|---|----------------------------|---|
| 1 | Introduction | 1 |
| 2 | Security procedures..... | 2 |
| 3 | Opening the c.Log..... | 3 |
| 4 | Changing the battery | 4 |

1 Introduction

The purpose of this document is to explain the steps to change the battery on c.Log.

This operation can be summarized in six procedures:

- I. Move the **c.Log** to a safer area outside the installation hazardous area – typically, 3m (9,6ft) away from the tank ([Section 2](#));
- II. Remove the cover ([Section 3](#));
- III. Turn-off the equipment by switching off the power switch (Figure 2);
- IV. Take out the battery ([Section 4](#));
- V. Place the new battery (respecting the polarity);
- VI. Turn-on the equipment and follow installation and activation procedure.

2 Security procedures

Before starting the work, the technician must know the general principles of security for this kind of work and use appropriate clothes and tools. It also must pay special attention for the security of people that can be present in the working area and his own.



The installation, maintenance and removal/replacement of the equipment must be performed by Manufacturer Authorized Personnel Only with adequate tools. Training will not be required.



Physical connections between the **c.Log** and the sensors must always be performed outside the hazardous area.



When opening the equipment enclosure, care must be taken in order not to damage any part of the equipment. Appropriate tools should be used.



Do not open the equipment after its installation. This instruction must be followed throughout the equipment's life.



A visual inspection should be made to check for damage on enclosure, screw, antenna, battery or any other component of the equipment.



Only non-damaged equipment may be put into service.




Environment's conditions: Humidity:
It should be around 40%
Temperature: 20° ~ 25°


3 Opening the c.Log

Opening the c.Log must be done outside the hazardous area and it is made by removing the four screws on the backside of the equipment. After, the enclosure must be opened carefully in order to avoid the risk of damaging the electronic board.

With the equipment opened, this simple maintenance procedure must be made:

- ✓ General visual inspection to the equipment;
- ✓ Exchange the isolation seal (O-ring) of the box.

 Cleaning of the equipment must be done with a wet cloth. Use of chemical products must be avoided.

 Turn off the equipment must also occur outside of the hazardous area.


 Do not touch directly in the electronics parts of the board.



Figure 1 - Opening the c.Log

4 Changing the battery



Only the battery listed in Table 1 can be used on the replacement operation.

- ✓ Place the Power Switch in OFF position.



Figure 2 - Power Switch

- ✓ Remove the old battery.



Figure 3 - Battery Enclosure

- ✓ Batteries can only be replaced by the authorized manufacturer model. Please pay attention to the battery polarity:

| Manufacturer | Type |
|--------------|---------|
| SAFT | LS26500 |

Table 1 - Battery that should be used for replacement on c.Log



Figure 4 - Battery Polarity

- ✓ Turn on the equipment
- ✓ Close the c.Log, pay attention to the right positioning of the enclosure and the rubber seal.
- ✓ Follow the installation and activation procedure (for that, consult the Installation Manual provided by ISA).



Gartner. 2012
CoolVendor

Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as endorsements of any Gartner's research organization, expressed or implied, with respect to this research, including any warranties or representations of fitness for a particular purpose.
Gartner, Inc., Cool Vendor Awards City Applications, 2012, Boston/Trip-Arr, Federal de São, Illinois, Illinois, April 15, 2012.