

# TECHNICAL MANUAL



## **RCALG** Flooding detector 090020153



IT08020000001624





## FOREWORD

### FOR INSTALLERS

Please follow carefully the specifications about electric and security systems realization further to the manufacturer's prescriptions indicated in the manual provided.

Provide the user the necessary indication for use and system's limitations, specifying that there exist precise specifications and different safety performance levels that should be proportioned to the user needs. Have the user read carefully the instructions provided in this document.

### FOR USERS

Carefully check the system functionality at regular intervals making sure all enabling and disabling operations were made correctly.

Have skilled personnel make the periodic system's maintenance. Contact the installer to verify correct system operation in case its conditions have changed (e.g.: variations in the areas to protect due to extension, change of the access modes, etc.)

.....  
This device has been designed, assembled and tested with the maximum care, adopting control procedures in accordance with the laws in force. The full correspondence to the functional characteristics is given exclusively when it is used for the purpose it was projected for, which is as follows:

### Flooding detector

Any use other than the one mentioned above has not been forecast and therefore it is not possible to guarantee the correct functioning of the device. Similarly, any other use of this technical manual other than the one it has been compiled for - that is: to illustrate the devices technical features and operating mode - is expressly prohibited.

The manufacturing process is carefully controlled in order to prevent defaults and bad functioning. Nevertheless, an extremely low percentage of the components used is subjected to faults just as any other electronic or mechanic product.

As this item is meant to protect both property and people, we invite the user to proportion the level of protection that the system offers to the actual risk (also taking into account the possibility that the system was operated in a degraded manner because of faults and the like), as well reminding that there are precise laws for the design and assemblage of the systems destined to these kind of applications.

**The system's operator is hereby advised to see regularly to the periodic maintenance of the system, at least in accordance with the provisions of current legislation, as well as to carry out checks on the correct running of said system on as regular a basis as the risk involved requires, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. The user must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.**

Design, installation and servicing of systems which include this product, should be made by skilled staff with the necessary knowledge to operate in safe conditions in order to prevent accidents. These systems' installation must be made in accordance with the laws in force. Some equipment's inner parts are connected to electric main and therefore electrocution may occur if servicing was made before switching off the main and emergency power. Some products incorporate rechargeable or non rechargeable batteries as emergency power supply. Their wrong connection may damage the product, properties and the operator's safety (burst and fire).

## DISPOSAL INSTRUCTIONS - USER INFORMATIONS



According to Directive 2012/19/EU on the Waste of Electric and Electronic Equipment (WEEE), it is here specified that this Electrical-Electromechanical Device started to be commercialized after 13<sup>th</sup> August 2005, and it shall be disposed of separately from ordinary waste products.

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# 1. GENERALS

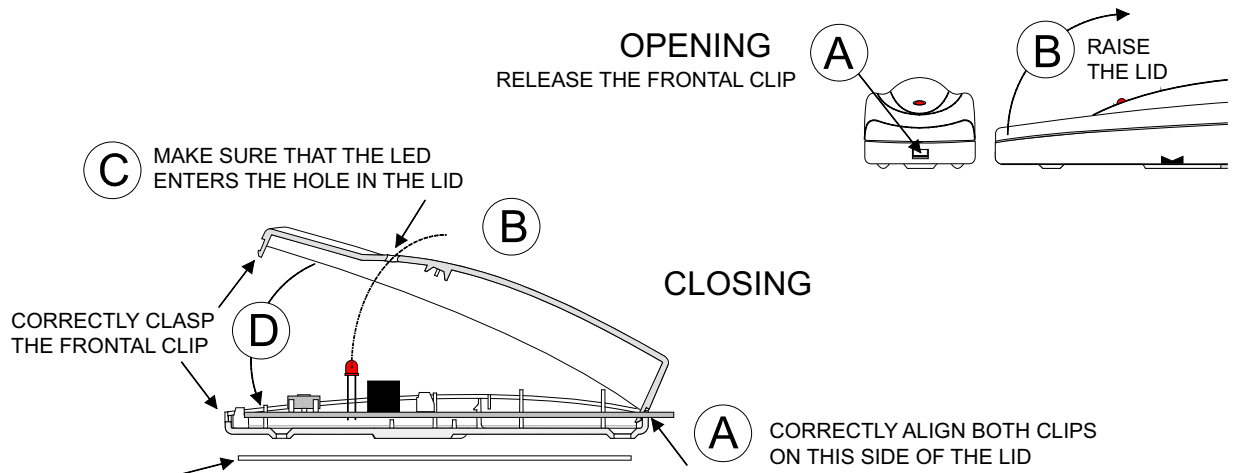
RCALG allows to detect water flood in domestic environments; it can be installed in the kitchen for the protection of accidental water leakage by the dishwasher, near the washing machine in the laundry room, in the basement garage to turn on a submersible pump or in the boiler room.

The nice housing and the compact dimensions allows the installation in every environments. For the fixing are available screws and dowels or a tenacious bi-adhesive in order to not drill the delicate linings of the walls (such as the bathroom or laundry).

# 2. FEATURES

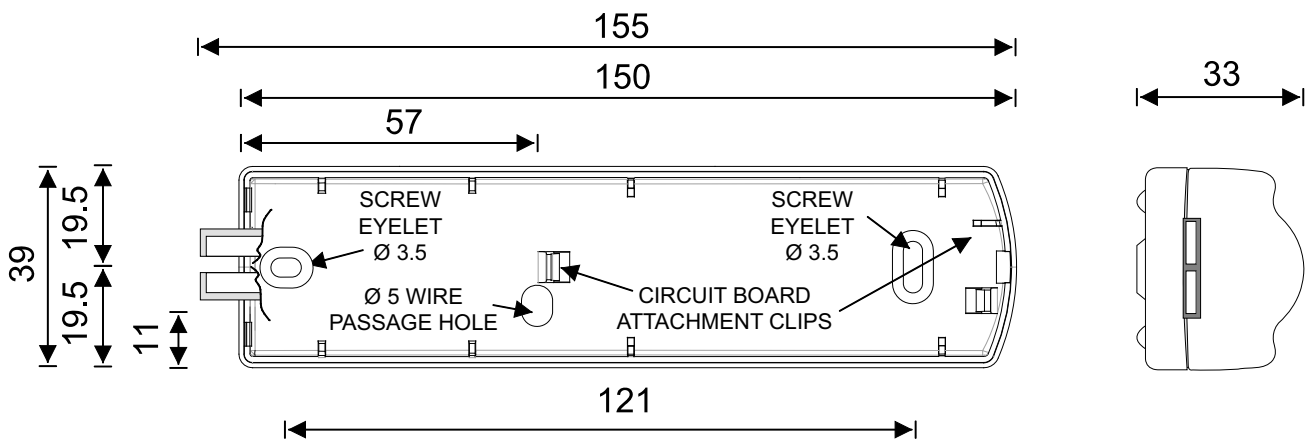
<b>Model:</b>	<b>RCALG</b>	<b>Selections:</b>	Trimmer for sensitivity regulation (turn clockwise to increase).
<b>IP class:</b>	IP40	<b>Alarm output:</b>	Relay with 1 A @ 24 V range.
<b>Power supply:</b>	DC 12 V (9 to 15 V)	<b>Operating temperature:</b>	+5°C ÷ +50°C.
<b>Power consumption:</b>	500 µA MAX, 23 mA in alarm.	<b>Dimensions:</b>	H 155 x W 39 x D 33 mm.
<b>Connections:</b>	Terminals.	<b>Weight:</b>	60 g.
<b>Visualization:</b>	Red alarm LED.	<b>Parts supplied:</b>	Screws and dowels, double-sided tape, technical manual.
<b>Sensitive zones:</b>	2 electrodes with gold plating surface.		

# 3. INSTALLATION



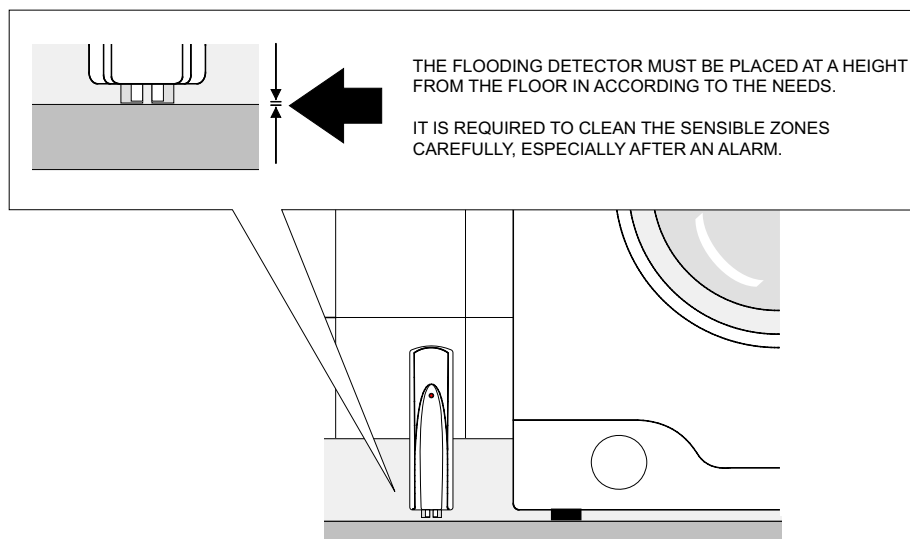
SOFT DOUBLE SIDED TAPE TO BE APPLIED TO THE BACK OF THE BODY TO ATTACH THE DEVICE TO A SURFACE WITHOUT USING SCREWS AND DOWELS. ADEQUATELY CLEAN BOTH SURFACES WITH ALCOHOL BEFORE APPLYING THE TAPE.

Measurements:

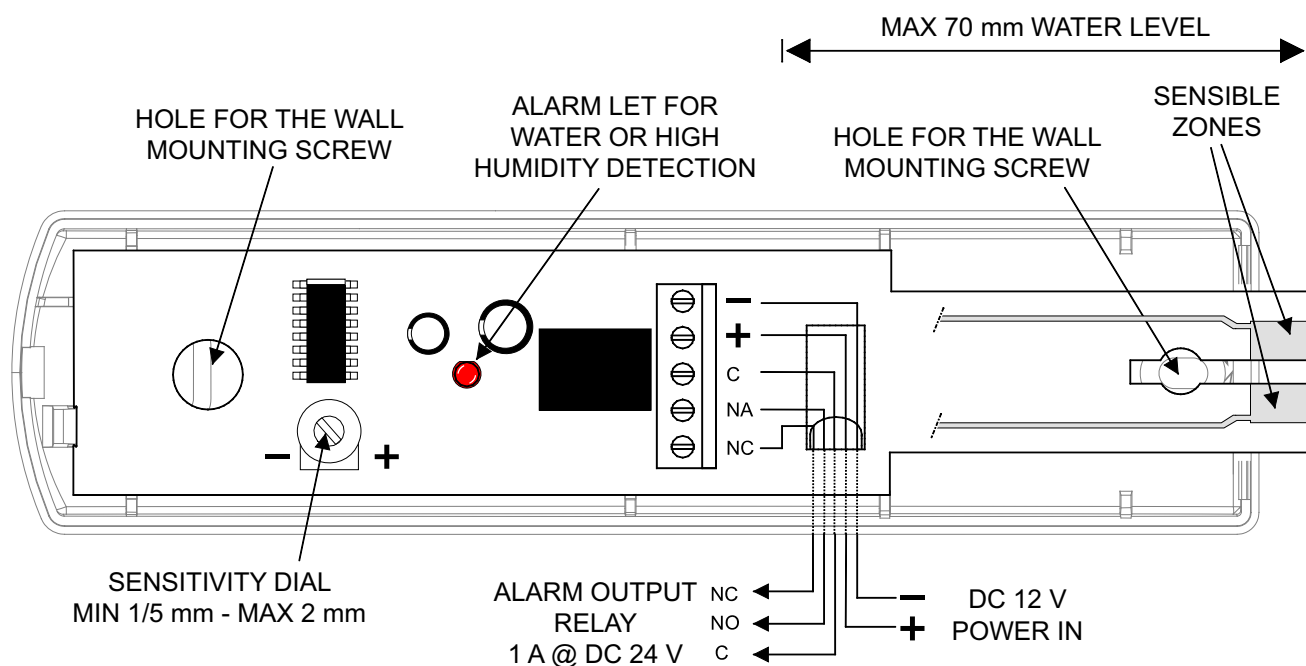


ALL MEASUREMENTS IN mm

Example of recommended positioning:



## 4. WIRING



**WARNING:** IN ORDER TO KEEP THE DETECTOR IN GOOD WORKING ORDER CLEAN THE SENSIBLE ZONES PERIODICALLY AND AFTER ANY ALARM

## 5. EU DECLARATION OF CONFORMITY

The product complies with current European EMC and LVD directives.

The full text of the EU declaration of conformity is available at the following Internet address: [www.elmospa.com](http://www.elmospa.com) – registration is quick and easy.

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Information and product features herein are not binding and may be changed without prior notice,

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