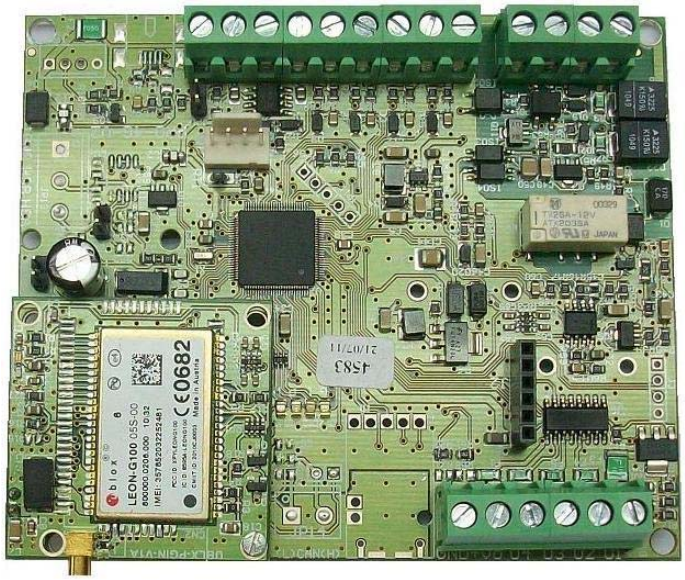
MANUAL

Contact ID Module



AENOR
Empresa Registrada
UNE-EN ISO 9001
ER-1223/2010

GENERAL CONTENTS

EQUIPMENT:

Contact ID module includes the following material:

- 4 sticks
- 1 GSM antenna

MAY 2013

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1 System Description

This module allows connecting a digital Control panel Lyon, F-Lyon or Zafir, to alarm receiver panels using CONTACT-ID communications protocol.

The module allows to use one of the following ways of communication between Fire Detection and Fire Alarm Control Panel and an Alarm Receiving Centre:

1) Telephone wired connection:

The transmission of information is established through the connection of the module to a fixed telephone line. The events of failure or fire alarm are sent to the phone number assigned to the Alarm Receiving Centre.

2) GSM connection:

The transmission of information is established through GSM, (requires an active SIM card inserted in the module). The events of failure or fire alarm are sent to the phone number assigned to the Alarm Receiving Centre.

3) Conexión por GPRS / IP

The transmission of information is established through **GPRS/IP** connection (requires to insert in the module an active SIM card with capacity to send data). The events of failure or fire alarm are sent through messages to an IP address assigned to the Alarm Receiving Centre.

The connection between CONTACT-ID module and the Alarm Receiving Centre are supervised through periodic communications along the time. By Contact-ID communications protocol, the fire detection and fire alarm control panel is able to transmit:

- Alarm messages: zone number and the event: (smoke, heat or manual call point).
- Failure messages: zone number and type of failure.

Technical Specifications:

Operating temperature ..... -10 a +50 C
Input voltage 8-36VDC 1000mA
Average consumption (1)
- Board 65mA
- GSM Module 15mA
- Ethernet Plugin 40mA
- VR 868MHz Receiver 20mA
- Communicating 200mA
- Communicating + Ringer 500mA

GSM Antenna
- Gain 4dBi
- Frecuency 900/1800Mhz

Dimensiones
- High ..... 2,5 cm.
- Length ..... 10.3 cm.
- Width ..... 8.6 cm.
- Deep ..... 5 cm.
- Weight (aprox.) ..... 200 g.

NOTE: For total consumption must add the partial consumption of the elements of your system.

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2 Installation

Before connecting the equipment:

- Make sure the SIM card is in the correct position. (See 2.3.6)
- Check that the polarity of the input power is correct. (See Section 3)
- Be careful not to have connected the PSTN line (Public Switched Telephone Network) at the entrance PHONE.

Once powered-up:

- When your equipment is supplied, do not remove or insert the SIM card.
- Do not handle under no circumstance the GSM module.

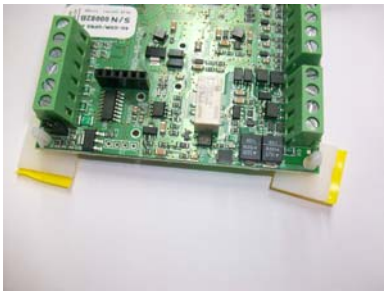
Other cautions:

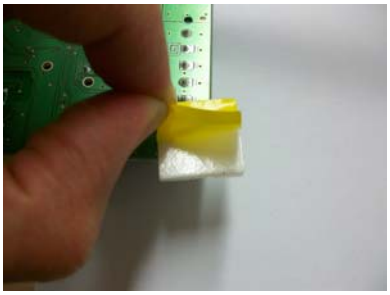
- CONTACT-ID module is not compatible with ISDN lines.
- If your facility has ADSL line go to Section 3.2.

2.1 Circuit Assembly.

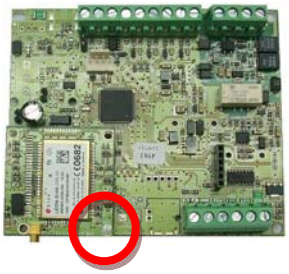
Before installing the Contact-ID module, look for the place in which there is the greatest possible coverage, because coverage below 30 %, may cause communication failures and annoying noises in GSM audio calls.

- Insert the four "sticks" on the four fixing holes of the circuit.
- Remove the protective film from the four "sticks" and place the circuit in the correct position, through a slight pressure.





- Connect the antenna to the module CONTACT-id via MMCX connector



- Ensure that you have all wiring below the **GSM** antenna, this will minimize the GSM interfering noise.

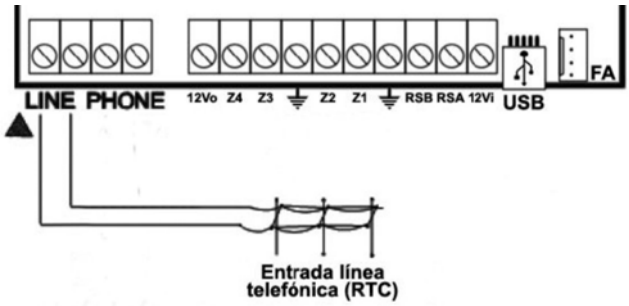
- Place the antenna using the magnetic base, oriented to the correct position in which there is the grater coverage (usually upright).

- Before inserting the SIM, make sure to disable the option to request card pin code.

- Once off and checked, turn off the computer and insert the SIM as shown in the following picture, thus the control panel may start with GSM functionality configured correctly.

CAUTION!
Before connecting the equipment to the power supply make sure that the SIM card is in the correct position. Do not remove or insert the SIM card with the equipment electrically powered, it can be fatal to the SIM and the equipment.

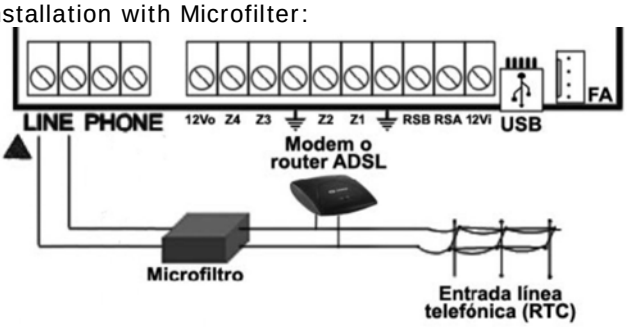
- If you want to communicate via telephone line, you should have to make the following configuration.



If there is ADSL line, it must be inserted a microfilter or splitter (check with your phone operator) between the network termination unit (NTU) and the LINE input of the circuit.

Connections must be as follows:

- Installation with Microfilter:



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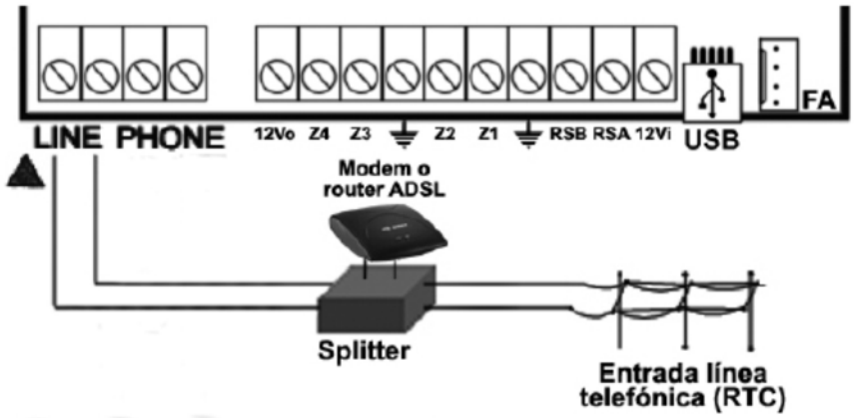
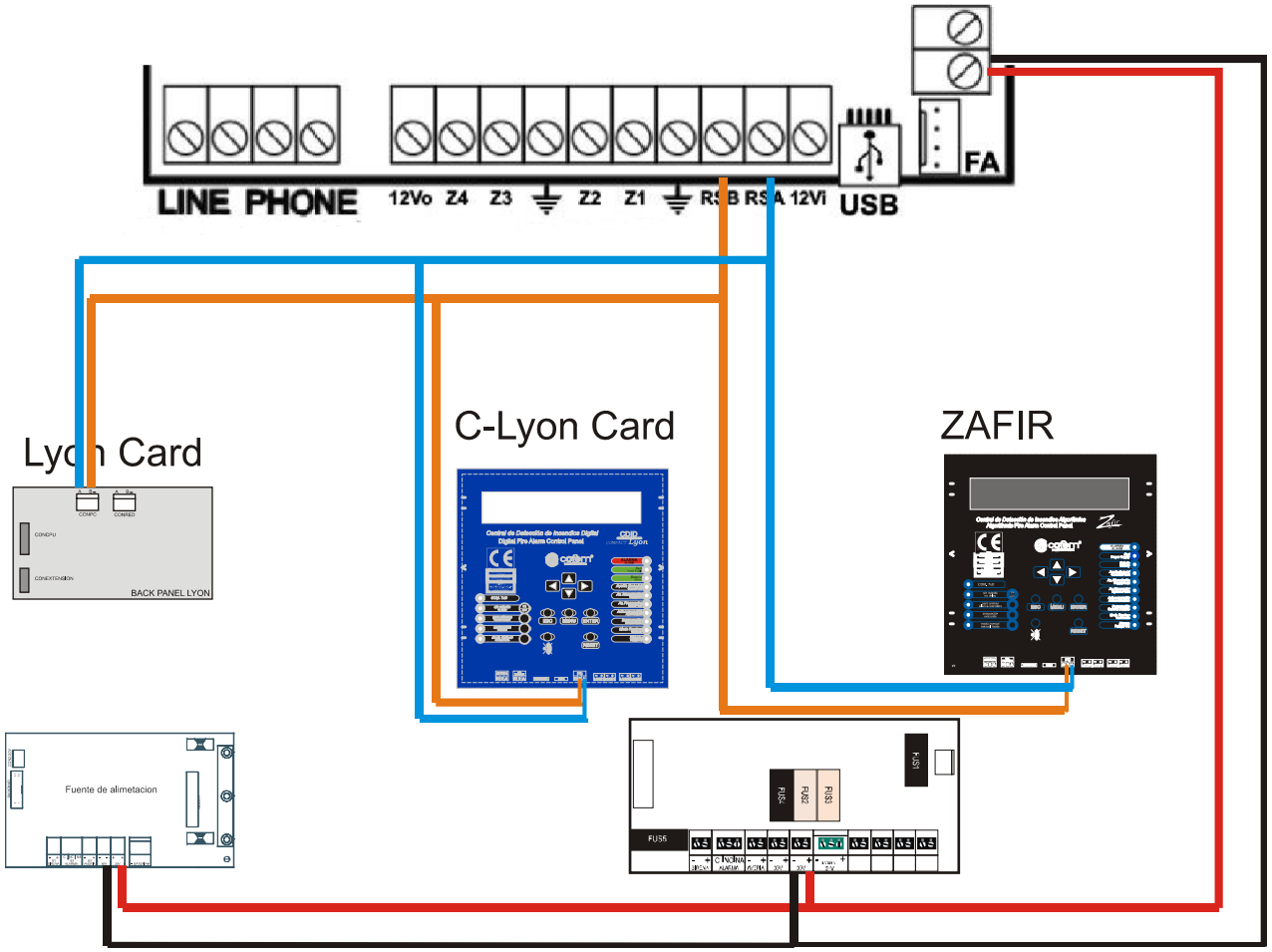
- Installation with Splitter:



2.2 Connection to the digital system:

SWITCH OFF voltage and BATTERIES before working inside the control panel.

The connection of Contact-ID module to the digital systems must be made as follows:



3 Configuration

Once the module is installed and the Control panel is operating, the first action to do is to enable the communication of the Contact-ID module.

This action is made through the main menu:

System Configuration → Communications → Contact ID → Activate.

Once enabled the module, the communication between the digital control panel and a PC will be only by USB.

- **Transmission of the event by SMS format through GSM module:**

CONTACT-ID module can send any of the alarm and system failure events in this format to a total of 5 phones:

<DATE>< INSTALLATION ALIAS>#<SUSCRIBER><EVENTCID> <ZONE ALIAS /USER><HOUR>

"21/06/12 1274 Maple Ave. Mr. Jones 55578964#9876 FIRE kitchen 08:45:02"

This requires programming the phone numbers in the control panel by:

System Configuration → Communications → Contact ID → Program telephone NR

Phone number must include the country code and the city code, without international code (00) or the "+".

To remove a phone number it is required to enter to the previous menu without entering any value, and press "ENTER".

You can program a text as an alias for the installation by:

System Configuration→ Communications→ Contact ID → Program the message.

Note: After you complete these actions, make sure the red LED module is *flashing*, as a signal that the module starts working after configuration.

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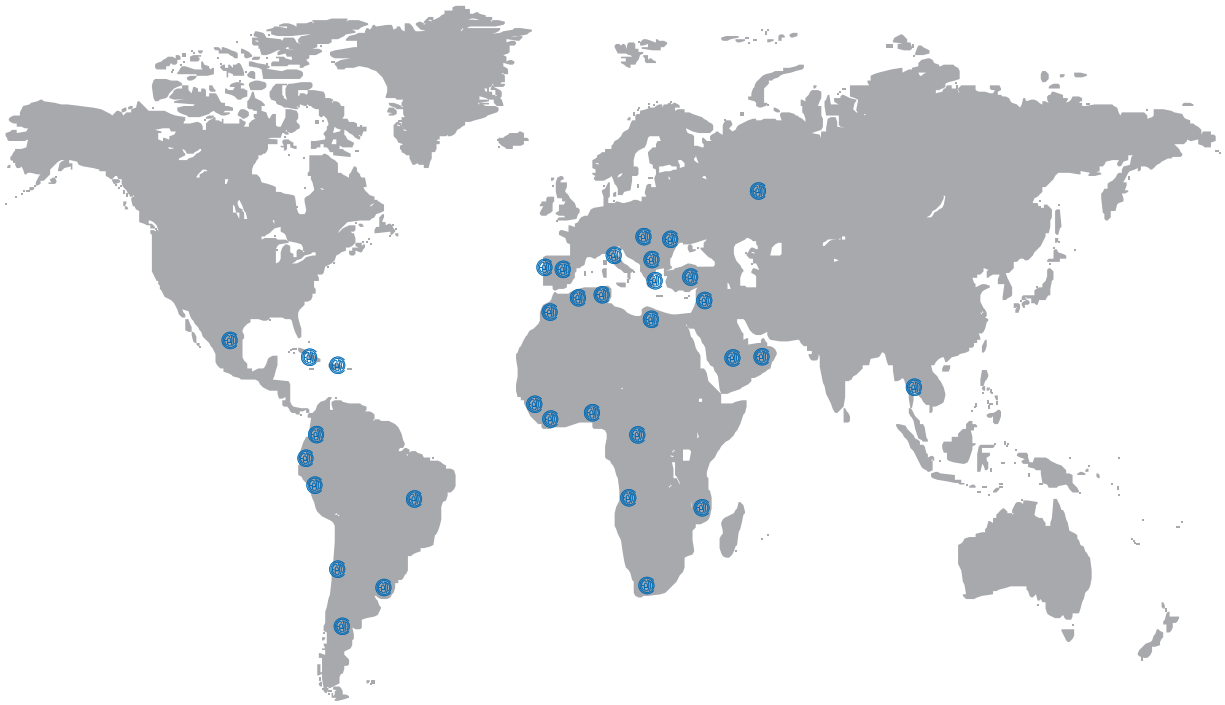

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