



## Empty can detection module POOL CAN



## Installation and Use Manual

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## 1. Important instructions and reminders

1. Before installing and commissioning the product, please read carefully all instructions in this manual. Failure to follow these instructions may result in damage to equipment or personal hazards. The safety instructions in this manual are not exhaustive. Also, the user is asked to be cautious and sensible when installing, handling and using equipment
2. The product described in this manual is for use exclusively in private family pools. The analyses provided by the module cannot be used in the context of the sanitary control imposed on collective pools.
3. In the event of failure, the manufacturer's liability shall not be incurred beyond repair or replacement of the product under its legal warranty. The maintenance and water treatment operations remain under the full responsibility of the user, so any deterioration of the equipment of the pool related to a processing error can not be attributable to a failure of the materials.

## 2. General presentation

The POOL-CAN is a Bluetooth/ LoRa connected sensor module running on battery allowing the detection «low level» from a float fixed on a rod and remote transmission through a gateway LR-MB POOL connected to WIFI.

It simplifies maintenance by providing remote monitoring of the status of the can containing the chemical solution to be injected, whether it is the pH or chlorine. The POOL-CAN has 2 inputs on which 2

rods\* can be wired. 2 wires for one rod will be needed to return information from a can.

The rod is immersed in the canister of the chemical solution to be injected (pH-, pH+, liquid chlorine, etc...) and connected to the POOL-CAN module. The information is communicated to the user via the mobile application (push notification) when the can needs replacement. The user may also receive a notification by email.

The control and analysis of the data measured by the POOL CAN module can be carried out from a smartphone or tablet using the MyIndygo **available free on the App Store** and Google Play, or from a PC by logging on to the myindygo.com web platform.

### IMPORTANT!

This module only works when paired with the LRMB-POOL/ LRMB-10/ LRMB-30 radio communication gateways. (It is not compatible with the LRMB-25 manufactured until 2019)

## 3. Contents of the package

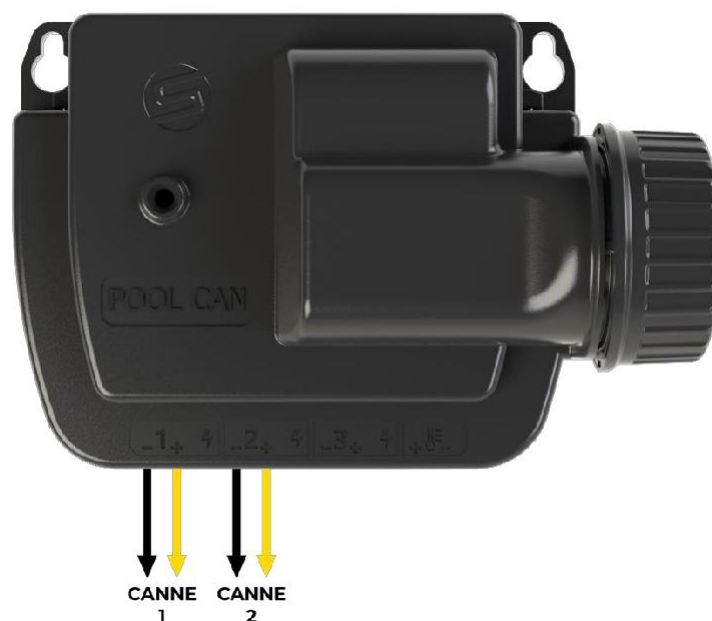
- The POOL CAN box
- 4 transparent waterproof connectors

\* Cannes sold separately under Ref. **OPTION-CAN**

## 4. Product Features

The POOL CAN module is powered by a 9V battery (not supplied) and installs directly in the technical room. It is equipped with 2 dry contact inputs for empty can sensor.

The module takes measurements every minute. It communicates by radio link to the LRMB communication gateway which, connected to a WiFi network (2.4GHz), transfers them to a dedicated server.



Access to the data is available from the MyIndygoou **application** on the <https://myindygo.com/platform>.

## 5. Precautions for use

### IMPORTANT!

This device is used to manage the level of chemical, take all necessary precautions for handling solutions.

When connecting the rods, be careful to respect the wires of location 1 and location 2.

## 6. Commissioning

### A/ Download MyIndygo application

- On your smartphone and/or tablet, go to your store
- Download the MyIndygo **app**
- Make sure that Bluetooth is enabled before starting commissioning.



### B/ Create your account on the application

#### IMPORTANT!

During the installation process, it is imperative that the phone/tablet is connected to the internet.

- Launch the app on your phone/tablet.
- For a first login, create an account by entering an email address + password.
- Once the account is created, follow the installation instructions.
- First, you will have to create a pool and locate it.
- Once the pool is created, choose the type of module to install.
- When the application suggests you install a LoRa-Wifi LRMB antenna, answer “YES”.

### C/ Commissioning of the LRMB radio antenna

- Install and connect the LRMB antenna inside the home in a WiFi covered area. To optimize communication with the POOL CAN, prefer the most prominent installation locations on the pool.
- Note the name and password of the WiFi network to which the LRMB antenna will be connected. This information will be requested when the antenna is commissioned.

#### IMPORTANT!

The LRMB antenna only works with WiFi in the **2.4GHz band**. **If the network is only on 5GHz, make sure to also activate the 2.4GHz band.**

At the end of the installation, the application performs a communication test to verify that the POOL CAN module communicates well with the LRMB antenna.

After 5 successive failures of the test, move or close the LRMB antenna to facilitate its radio communication with the POOL CAN module.

- With the phone in hand, stand next to the LRMB antenna and click on “Yes” when the application proposes to install the LRMB module.
- Follow the commissioning instructions
- At the end of commissioning, wait about 1 minute to check that the red LED turns to green fixed, meaning that the LR-MB antenna is properly connected to the internet. When updated, the LED may flash green for about 1 minute. **If the LRMB LED does not go green (likely error of entering the WiFi password), finish installing it by going to the «Settings» tab, click on «My relay» then «Network settings» and enter again the WiFi credentials.**

### D/ Commissioning of the empty can sensor module

- Unscrew the plug from the module.
- Plug in and insert the 9V battery into the space provided.
- Screw the cap back on, making sure that the gasket is properly attached.

- With the phone in hand, stand next to the module and click on “Add another module”, then click on “Canister Analyzer” and follow the installation and calibration instructions.

Attention, two identical values taken during calibration will require to do this step again. The can must not be empty for calibration.

- At the end of the installation, the application performs a LoRa communication test to verify that the module communicates well with the LoRa gateway. If you experience more than 5 consecutive failures to this test, move the antenna closer or further in order to facilitate its radio communication with the analysis module.
- After the installation is complete, the first information is sent out after 3 minutes.

#### E/ Commissioning of empty bidon detection module on an existing account

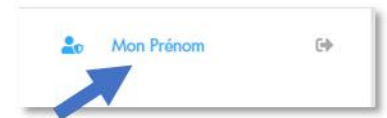
- If you already have an installation on your pool application, you can **add the module by going to the «Settings» tab of the application and clicking on «Add equipment» «Add a empty canister analyzer».**

## 7. Using the module

#### A/ Setting up alerts

Empty bidon alerts must be configured on the web platform:

1. On a web browser, type the address <https://myindygo.com>
2. Enter the account ID and password.
3. Select the Alerts tab in the left sidebar.
4. Configure alerts without forgetting to validate them. Alerts can be received by push notification and/or email.
5. It is also possible to edit/add other email addresses for receiving alerts by clicking on the profile link located at the bottom of the left sidebar.



#### B/ Menu Setting

The “My Canister Analyzer” button in the Settings tab of the application provides access to the following functions:

1. **Configuration** : allows to add, remove or change the configuration of the suction rods.
2. **Software update**: allows to launch the CAN POOL embedded software update when a new version is available
3. **Remote access** : this function allows to test the communication between your POOL CAN module and the LRMB radio antenna. Press the button to start the test:
  - oThe “Connection established” message indicates that the connection is reliable.
  - oIf you get the message “No connection established”, repeat the test several times. If you cannot pass this test, it is necessary to bring your LRMB antenna closer to the CAN POOL.

#### C/ Web platform myindygo.com

The <https://myindygo.com> web platform allows access to all pool and account data from a PC connected to the internet.

## 8. FAQ

### What if no data is available on the app?

- Perform a communication test to verify that your connected module can communicate with the LR-MB antenna. See the test procedure in the section “Menu Setting”.
- Check that the LR-MB antenna is connected to the Internet. Unplug the LR-MB and then reconnect it and check that the LED on the LR-MB turns green after about 30 seconds. If the LED remains red, reconfigure the LR-MB’s WiFi settings (see section “Commissioning of the LR-MB Radio Antenna”).

## 9. Technical specifications

### USE:

- Waterproof housing IP68

### FOOD:

- 1 9V battery
- Bluetooth® Smart 4.0 Low Energy
- Frequency bands used:
  - LoRa  
TM: [868-868.6] MHz
  - Bluetooth® : [2400-2483.5] Mhz

DIMENSIONS: (WxHxD) 140 mm/90mm/55mm

## 10. Glossary



This symbol indicates that the product uses LoRa™ technology radio



This symbol indicates that the product uses a Bluetooth technology radio®



The “CE” symbol indicates that this appliance complies with European standards on safety, health, environment and user protection. The devices with the “CE” symbol are intended for sale in Europe.



This symbol indicates that these types of electrical and electronic devices must be disposed separately in European countries. Do not dispose of this appliance with your household waste. Use the collection and recycling points available in your country when you no longer need this device.

Product made in France by:  
MYINDYGO - SOLEM SAS  
5 rue Georges Besse  
34830 Clapiers – France  
<https://indygo-pool.com/>

## 11. Declaration of conformity

We hereby declare that the empty can detection module "POOL-CAN" complies with the following standards:

- BLE Standard: EN 300 328 v2.2.2
- LoRa Standards: ETSI EN 300 220-2 v3.2.1 and ETSI EN 300 220-1 v3.1.1
- EMF Standard: EN 62311 (2008)
- EMC Standards: ETSI EN 301 489-1 v2.2.3 and ETSI EN 301 489-17 v3.2.4
- Electrical safety standards: EN 61010-1:2010/A1:2019, EN 61010-2-030:2011 and EN 61010-2-201:2013

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