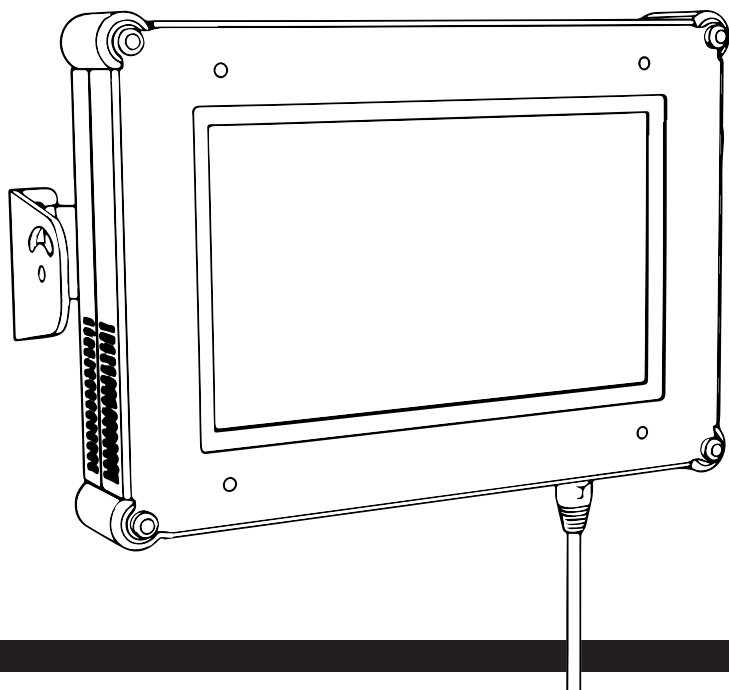


# PIUSI

CONTROL  
**UNIT**  
MCO GO



**MADE  
IN  
ITALY**

*Installazione, uso e manutenzione* | **IT**  
*Installation, use and maintenance* | **EN**

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**BULLETIN MO570 ITEN \_ 00**

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**1. EU DECLARATION OF CONFORMITY**

The undersigned:

**PIUSI S.p.A.**

Via Pacinotti c.m. z.i. Rangavino  
46029 Suzzara - Mantova - Italy

**HEREBY STATES**

under its own responsibility, that the equipment described below:

Description: display and management device for processes and supply.

Model: **CONTROL UNIT MCO GO**

Serial number: refer to Lot Number shown on CE stamp on the product (refer to page 31).

Year of manufacture: refer to the year of production shown on the CE stamp on the product (refer to page 31).

is in conformity with the legal provisions indicated in the directives:

- Electromagnetic Compatibility Directive 2014/30/EU
- Low-Voltage Directive 2014/35/EU
- RoHS II Directive 2011/65/EU
- RED Directive 2014/53/EU

The documentation is at the disposal of the competent authority following motivated request at PIUSI S.p.A. or following request sent to the email address: doc\_tec@piusi.com

The person authorised to compile the technical file and draw up the declaration is *Otto Varini* as legal representative.

Suzzara, 01/12/2019

Otto Varini  
legal representative






## 2. GENERAL WARNINGS

### Warnings

To ensure operator safety and to protect the system from potential damage, workers must be fully acquainted with this instruction manual before attempting to operate the system.

### Symbols used in the manual

The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance:

 <p><b>WARNING</b></p> <p>This symbol indicates a hazardous situation which, if not avoided, could result in death or serious injury.</p>	 <p><b>ATTENTION</b></p> <p>This symbol indicates that there is risk of damage to the equipment and/or its components.</p>	 <p><b>NOTE</b></p> <p>This symbol indicates <i>useful information</i>.</p>
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### Manual preservation

This manual should be complete and legible throughout. It should remain available to end users and specialist installation and maintenance technicians for consultation at any time.

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### 3. SAFETY INSTRUCTIONS AND WARNINGS

#### Mains - preliminary checks before installation

Before proceeding, make sure that the mains power supply is equipped with adequate grounding line in accordance with current standards.



#### WARNING

The device may not operate correctly in the presence of particularly intense electromagnetic interference.

#### Maintenance control

Before carrying out any inspection or maintenance operations, make sure to disconnect the power supply by removing the plug from the power socket, if it is connected.

#### Prohibitions



#### WARNING

Completely avoid contact between the electrical power supply and liquids of any kind. Contact between electrical components and lubricating oil or flammable liquids may cause fires or explosions.



#### WARNING

The device is powered by a built-in battery pack. Incorrect use or attempts at tampering may cause sparks, fire or explosion. In order to preserve its integrity and safety, do not intervene on the battery pack. Supplying the device using power sources other than the one built in is expressly prohibited.



#### WARNING

It is strictly forbidden to hold or transport the system by means of the cables connected to it.

## 4. FIRST AID RULES

### People suffering from electric shock

Disconnect the power supply, or use a dry insulator to protect yourself in the operation of moving the victim away from any conductor. The victim must be moved away from any conductor before touching him/her with bare hands. Seek immediate help from trained and qualified people. Do not operate the switches with wet hands.

## 5. GENERAL SAFETY RULES



### WARNING

- Do not operate the device when tired or under the influence of drugs or alcohol.
- Do not leave the work area while the device is operating. Turn off the device when not in use.
- Ensure that the power cables are always far from transit areas, sharp edges, moving parts and hot surfaces.
- Do not alter or modify the device. Alterations or modifications to the device may invalidate its type-approval and result in dangers to safety.
- Keep children and animals far from the work area.
- Observe all applicable safety regulations.

### Essential protective equipment characteristics

Wear protective equipment according to the info below:

- suited to the operations that need to be performed;
- resistant to cleaning products.

Using the **CONTROL UNIT MCO GO** device does not require the use of particular personal protective equipment. In any case, wear equipment that is suitable for the work environments where the device is used.

### Personal protective equipment that must be worn

Within workshops, in any case, the following personal protective equipment should be used:



safety shoes



protective gloves



close-fitting clothing



safety goggles



Use  
Instruction  
Manual



**WARNING**

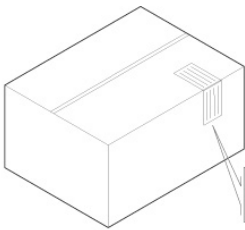
Never touch electrical cables with wet hands. Do not activate the device if the mains connection cable is damaged. Before each use, check that the mains connection cable is not damaged. Have the cable repaired immediately by a specialist electrician.



**ATTENTION**

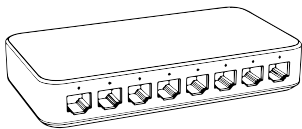
The electrical connection has to stay away from water. For safety reasons it is mandatory to use the device with an RCD (max 30mA). Extension lead can be dangerous. It recommends the use of extension cords and appropriate use of adequate cross-section, in accordance with regulations.

**6. DEVICE PACKAGING**



The control device comes packed in a cardboard box bearing a **label** containing all the information relating to the equipment (model, weight, etc.).

**7. PACKAGE CONTENTS/PRE-INSPECTION**

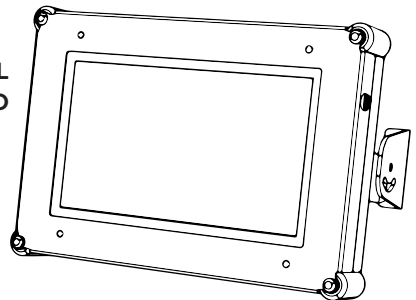


switch



Power lead  
(for switch)

CONTROL  
UNIT MCO GO





**WARNING**

Check that the data on the plate correspond to the desired specifications. In the event of any anomaly, contact the supplier immediately, indicating the nature of the defects. Do not use equipment which you suspect might not be safe.



**NOTE**

To open the cardboard packaging, use a pair of scissors or a cutter, being careful not to damage the dispensing system or its components. Open the packaging and check that the components provided as part of the equipment are available.

In the event that one or more of the components described below are missing from inside the package, please contact PIUSI S.p.A. technical support.



**8. POSITION OF IMPORTANT INFORMATION**

Adhesive labels showing the operator the most important information are affixed to the dispensing system. Check that these labels do not deteriorate over time or come off.

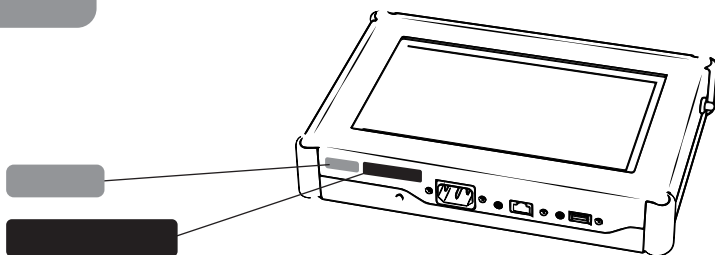


**NOTE**

If all or part of the label deteriorates or comes off, please contact our customer care department to ask for a replacement.



**MCGO-01C5-36E7-015**



## 9. MACHINE AND MANUFACTURER IDENTIFICATION

The device comes with an identification stamp attached to the body and contains the following information:

- lot number;
- type;
- product ID code;
- lot number / production year.



### WARNING

Before installing, always make sure the type of device is correct.

## 10. TECHNICAL SPECIFICATIONS

The essential technical specifications of the **CONTROL UNIT MCO GO** device are:

CONTROL UNIT MCO GO	
Touchscreen monitor dimensions	<b>9"</b>
Voltage	<b>90-240 V</b>
Operating temperature	<b>from -5°C to +40°C</b>
Operating humidity	<b>from 10 to 90 R.H.%</b>
Dimensions	<b>283x197x55 mm</b>
Weight	<b>2.28 Kg</b>

## **11. INTENDED USE**

### **Intended use**

The **CONTROL UNIT MCO GO** device allows workshop operators to display and manage work processes, with interaction possible thanks to the touchscreen monitor. The work process management activities require the entry of a PIN that identifies the operator, so as to guarantee complete traceability and accurate monitoring of access.

The device can also enable the opening of the fluid supply control solenoid valves in the **GPV 2.0** devices and installed in the line in the workshop, so as to precisely control the distribution of oil and other fluids.

Its functions allow a PRESET quantity to be set.

### **Conditions of use**

**CONTROL UNIT MCO GO** must be used in accordance with the following conditions:

- *operating temperature: -5°C / 40°C;*
- *operating humidity: 10 / 90 R.H.%;*

### **Unintended use**

Do not operate the system for any purpose other than the purpose described within this manual; all other use is considered “IMPROPER” and will result in PIUSI S.p.A. disclaiming any responsibility for damage to property, people, animals or to the system itself.

## 12. INSTALLATION

### Foreword

The **CONTROL UNIT MCO GO** device has been designed and made for installation, on the wall, using the holes provided or the adjustable bracket available as an accessory. In any case, a safe, stable fixing must be guaranteed.

The device requires an electrical supply, so position it in an area that can be safely reached from a power socket.

### Authorised installation personnel

All installations must be carried out by authorised and competent personnel only. Authorised persons must:

- install the system in dry and well-ventilated place;
- connect the device correctly to the mains.

### Power supply

- Connect **CONTROL UNIT MCO GO** to the power supply;
- connect the Ethernet cable to the RJ45 port of the **CONTROL UNIT**;
- position and power the **GPVs**;
- position and power the **switch PIUSI** 8 ports;
- (option) position the Ethernet printer.

### Wiring

- Wire the **CONTROL UNIT** to the **switch PIUSI** connecting the Ethernet cable to one of the free ports of the switch;
- Wire the **GPVs** to the **switch PIUSI** connecting the Ethernet cable to one of the free ports of the switch;
- (option) wire the **printer PIUSI** connecting the Ethernet cable to one of the free ports of the switch;

### What not to do

- Use a different switch from the one supplied by PIUSI;
- connect some **GPVs** already configured or coming from other plants, without having first reset them to the factory values following the procedure in the web screen of the **GPVs** (see dedicated manual of the **GPV 2.0**);
- wire the devices using non-certified Ethernet cables (longer than 100 meters);

- connect to the **switch PIUSI** network devices not certified by PIUSI;
- connect more than 6 GPUs to the Switch.

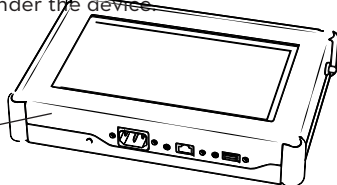


## 13. CONFIGURATION

To enable the **CONTROL UNIT** you need a **9-digit code "SUPER MASTER CODE"** that is provided after registering the device on the website **portal.piusi.com**.

Accessing with their own credentials, each user can register one or more Control Units in their possession, by entering the **serial code** that is located on the label, under the device.

MCGO-01C5-36E7-015



### First registration

To register a new user on the PIUSI portal it is necessary to access the website **www.piusi.com**, click on the **PIUSI PORTAL** button and then on **"REGISTER"(SIGN UP)** to start the registration of the new user on the portal.

Enter the product key (written on the label of the **CONTROL UNIT MCO GO** body) and press **"REGISTER"** to proceed.

After registration, you will receive a confirmation email with all the information you need to access your area on the Piusi portal, an email containing the 9-digit **SUPER MASTER CODE** to be entered when you turn on the **CONTROL UNIT MCO GO** and an email with the account code of the **CLOUD MCO GO** service trial version valid for 3 months (the account code is provided only when you register the first device: for each other registered device only the **SUPER MASTER CODE** will be sent).

## Registration of a new device

If you already have an account on the Piusi portal, follow the steps below to register the new 'PRODUCT KEY' of the **CONTROL UNIT MCO GO**:

Access the portal and enter the section "MCO GO - ADD LICENCE". Enter the **PRODUCT KEY** of the **CONTROL UNIT** to be registered and the details of the dealer where you purchased it. Click "REGISTER" to register the product.

### Check Product Key

Product Key \*



### Insert the data of the reseller from who you bought the product key

Company name \*

Nation \*

Region \*

City \*

Street

Postcode \*

**Register**

\*To create your Account it is necessary to have a valid number of Product Key

After registration, an e-mail will be sent containing the 9-digit *SUPER MASTER CODE* to be entered when you turn on the **CONTROL UNIT MCO GO** (one *SUPER MASTER CODE* for each registered **CONTROL UNIT MCO GO**).

Also from the portal, once all devices have been registered, by accessing the "MCO GO - *PRODUCT LIST*" area you can view all the products that have been registered, view the data of the active *CLOUD LICENSE*, login to the **CLOUD** Software and download any updates available for the **CONTROL UNIT MCO GO**.


**NOTE**

In case of loss of the *SUPER MASTER CODE*, there is no automatic recovery procedure: contact the service so that a new one can be provided.


**Product List**

Description: mcogo\_cloud trial      Product Key: GOTR3899D299F9AF      Account Code: MI010021      Expiration Date: 06/02/2020

Access to Web MCOGO Cloud

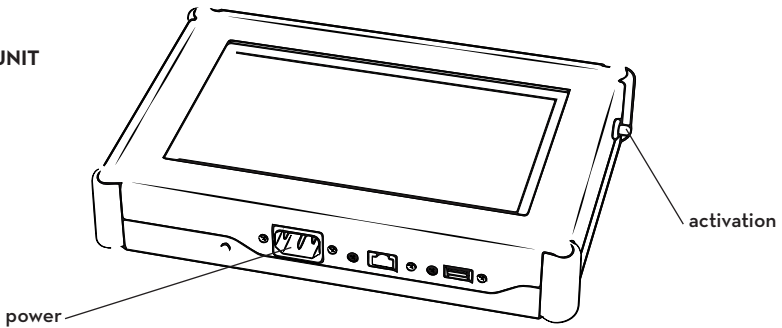
PRODUCT KEY	REGISTRATION	STATUS	ACTIVATION	DESCRIPTION	LINK
MCG0000000001002	06/11/2019		13/11/2019	..	Link
MCG0000000001003	06/11/2019		06/11/2019	..	Link

**Operation**

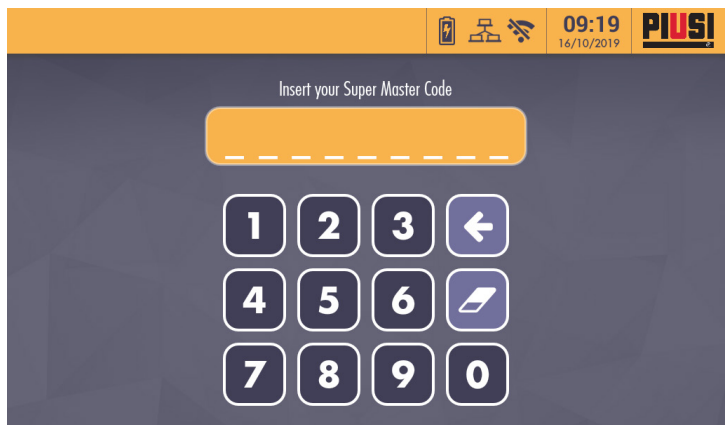
Turn on the **CONTROL UNIT** while holding down the power button.

**WARNING**

Interrupt supply immediately if there are sparks or electrical discharge.

**CONTROL UNIT  
MCO GO****A**

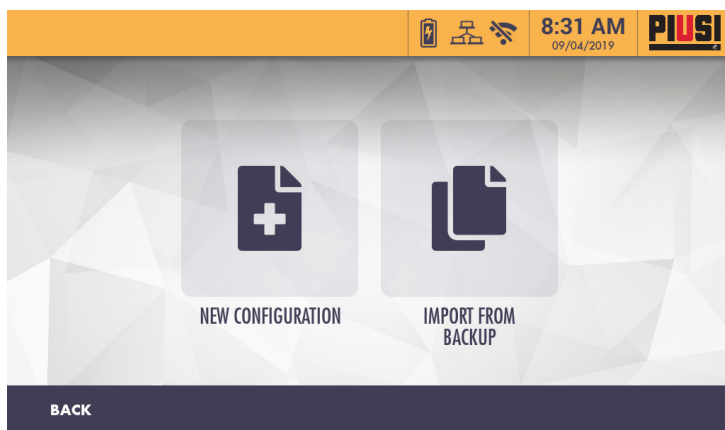
At the first start you must enter the *SUPER MASTER CODE* received by e-mail after registering the control unit on the portal.

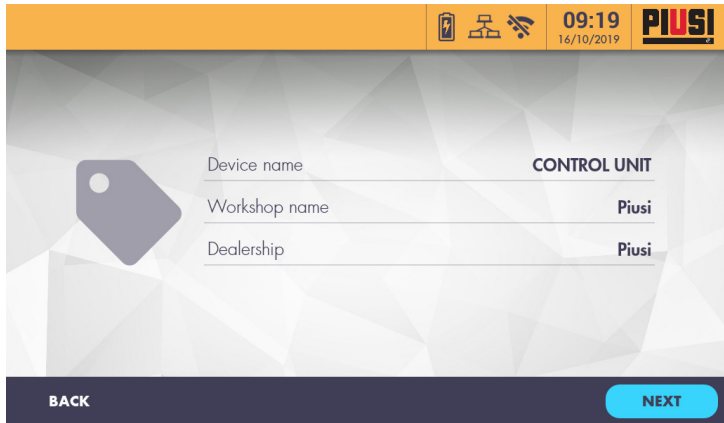


- B** Configure the parameters according to your preferences, being careful to configure the correct date, time and time zone. Press "NEXT" to continue.



- C** Choose how you want to configure the **CONTROL UNIT**. There are two ways: you can start with a new configuration ("NEW CONFIGURATION") or otherwise, if you have a backup of a previously used **CONTROL UNIT**, you can restore its configuration ("IMPORT FROM BACKUP").



**CHOICE 1 - new configuration**

The screenshot shows a mobile application interface with a white background and a grey geometric pattern. At the top, there is a status bar with icons for battery, signal, and Wi-Fi, along with the time 09:19 and date 16/10/2019, and the Piusi logo. Below the status bar, there is a large grey key icon on the left. To the right of the key icon, there are three input fields with labels and values:

Device name	CONTROL UNIT
Workshop name	Piusi
Dealership	Piusi

At the bottom of the screen, there is a dark blue bar with a white "BACK" button on the left and a blue "NEXT" button on the right.

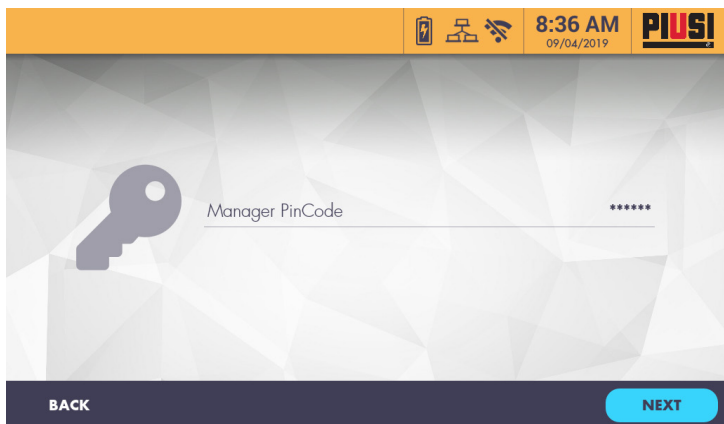
**D**

Enter the device name and workshop name. These two values will be useful to differentiate the data coming from your device in the **CLOUD SOFTWARE MCO GO**.

The field "Workshop Name" is required Press "NEXT" to go to the next configuration.

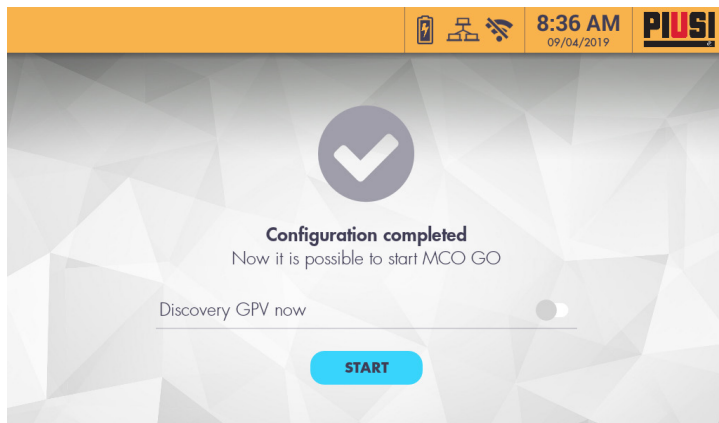
**AND**

If you want you can change the PIN code of the manager (by default always 123456). Press "NEXT" to end the configuration.



The screenshot shows a mobile application interface with a white background and a grey geometric pattern. At the top, there is a status bar with icons for battery, signal, and Wi-Fi, along with the time 8:36 AM and date 09/04/2019, and the Piusi logo. Below the status bar, there is a large grey key icon on the left. To the right of the key icon, there is a single input field with the label "Manager PinCode" and a masked value "\*\*\*\*\*". At the bottom of the screen, there is a dark blue bar with a white "BACK" button on the left and a blue "NEXT" button on the right.

- F The configuration is complete. If you want to start using the system immediately press the "START" button; otherwise, if you want to proceed with the automatic procedure detecting the GPVs in the system, activate the item "Discovery GPV now".

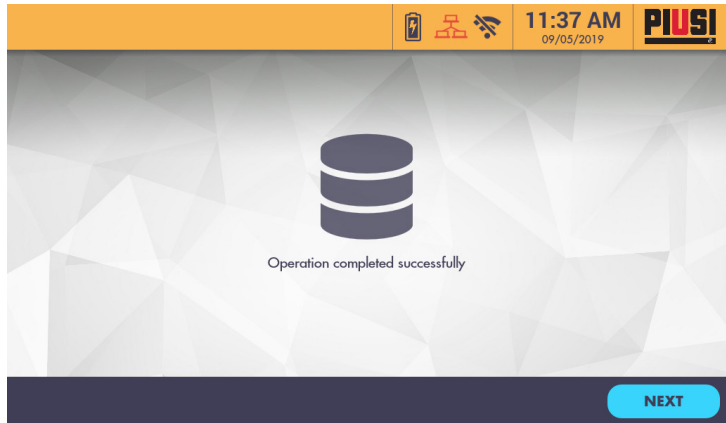


## CHOICE 2 - restore configuration from backup

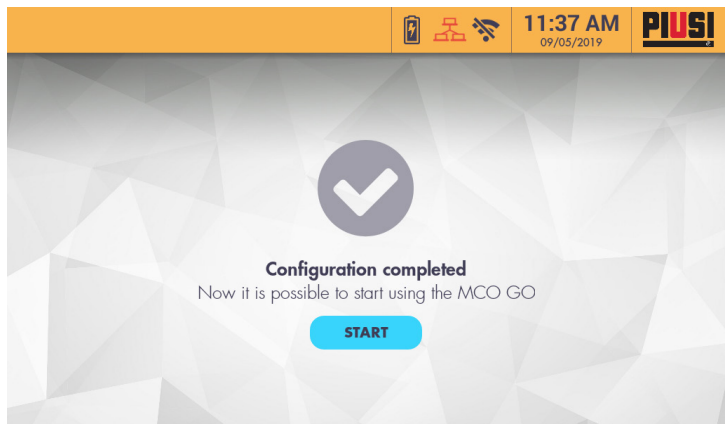
- D To start the restore procedure for a previous configuration from backup, insert a USB key in the CONTROL UNIT with the last backup to be restored loaded inside. The procedure start automatically as soon as a backup file is detected.

**NOTE**

If there are multiple configuration backups on the USB key, the procedure will restore the most recent backup on the key.

**AND**

If the backup is successfully restored, the configuration is complete. Press "START" to start using the MCO GO system.



**WARNING**

Altering or modifying the device is strictly forbidden. PIUSI S.p.A. accepts no responsibility for damage to persons, property or the environment caused by failure to comply with this requirement.

The installer is responsible for equipping the system with the required accessories for safe and correct operation of the device. The selection of accessories unsuitable for use may cause serious damage/injury to the device and/or individuals.

Do not use the device if important parts of the device, accessories or safety devices are damaged. Make the necessary replacements and repairs immediately.

Z

**ATTENTION**

- **CONTROL UNIT MCO GO** is for professional use only.
- It is mandatory to provide the electrical connection for the device in observance of the current regulations in the installation location.
- It is mandatory to adhere completely to the safety and fire regulations in force in the place of installation.
- The **CONTROL UNIT MCO GO** device has been designed for **use in a dry environment. If it is installed outside, provide adequate protective covering.**

## 14. MAINTENANCE

### **Safety instructions**

The system is designed and manufactured to require minimal maintenance.

Before any kind of maintenance, disconnect from the mains.

Personal protective equipment (PPE) must be worn when carrying out maintenance work.

### **Authorised maintenance personnel**

All maintenance must be performed by qualified personnel. *Tampering can lead to performance degradation, danger to persons and/or property and may result in the warranty being voided.*

## **15. DEMOLITION AND DISPOSAL**

### **Foreword**

If the system needs to be disposed, the parts which make it up must be delivered to companies that are specialized in the recycling and disposal of industrial waste. Inappropriate disposal of this waste may harm the environment and human health. Contravention of applicable legislation may result in sanctions.

### **Disposing of packing materials**

The packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of cellulose.

### **Metal parts disposal**

The metal parts, including painted parts, can normally be recovered by specialist scrap metal dealers.

### **Disposal of electric and electronic components**

These must be disposed of by companies that specialize in the disposal of electronic components, in accordance with the indications of directive 2012/19/EU (see *text of directive below*).

### **Information regarding the environment for clients residing within the European Union**

European Directive 2012/19/EU requires that all equipment marked with this symbol on the product and/or packaging not be disposed of together with non-differentiated urban waste. The symbol indicates that this product must not be disposed of together with normal household waste. It is the responsibility of the owner to dispose of these products as well as other electric or electronic equipment by means of the specific refuse collection structures indicated by the government or the local governing authorities.



### **Miscellaneous parts disposal**

Other components, such as hoses, rubber gaskets, plastic parts and wires, must be disposed of by companies specialising in the disposal of industrial waste.







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