



AIRCHOC® (((•))) wireless



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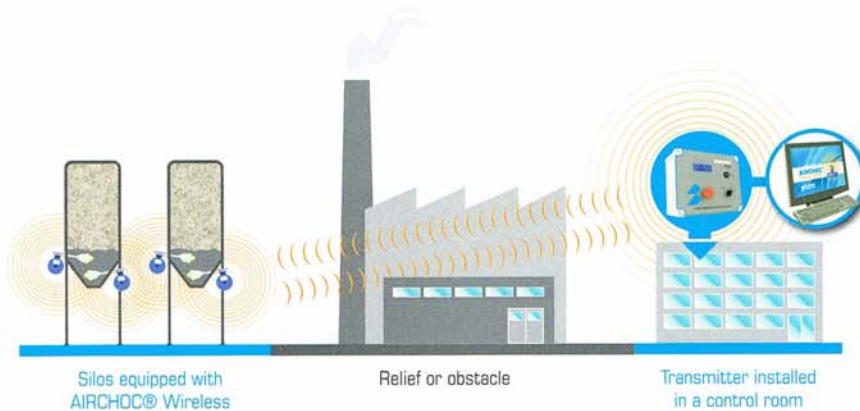
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1- Principle of Airchoc Wireless

AIRCHOC® wireless
AN INNOVATIVE
WIRELESS DESIGN

Standard Industrie has used the experience gained from over 30 years in the field of solving blockages and its ability for constant innovation to create **the AIRCHOC® Wireless, THE FIRST WIRELESS AIR CANNON.** Designed to easily remove blocking and encrustation while avoiding the limitations imposed by a wired installation, **the AIRCHOC® Wireless can be operated remotely using a transmitter and a receiver box mounted on the 6V-5W pilot light.**

This innovative design reduces wiring costs and makes it easier to maintain the AIRCHOC® while retaining **the safety, effectiveness and reliability** that the AIRCHOC® range is known for.



LONG DISTANCE
TRANSMISSION

With a **300 meter-range (984 feet) - up to 1km (0,62mi) in open spaces-** the wireless system enables you to operate the AIRCHOC® Wireless over large distances across any terrain and regardless of any obstacles.

UP TO 128
AIRCHOC® wireless UNITS
WITH A SINGLE TRANSMITTER

Installed in your control room, the transmitter can be **connected to your automaton or to a computer** in order to manage **all your AIRCHOC® Wireless units** from a single point.



AIRCHOC® Transfer System

The AIRCHOC® Transfer System software allows you to simply and effectively programme blasting sequences for each AIRCHOC® Wireless on a computer.

2- AIRCHOC WIRELESS TRANSMITTER INSTALLATION

2-1. Control panel fixation

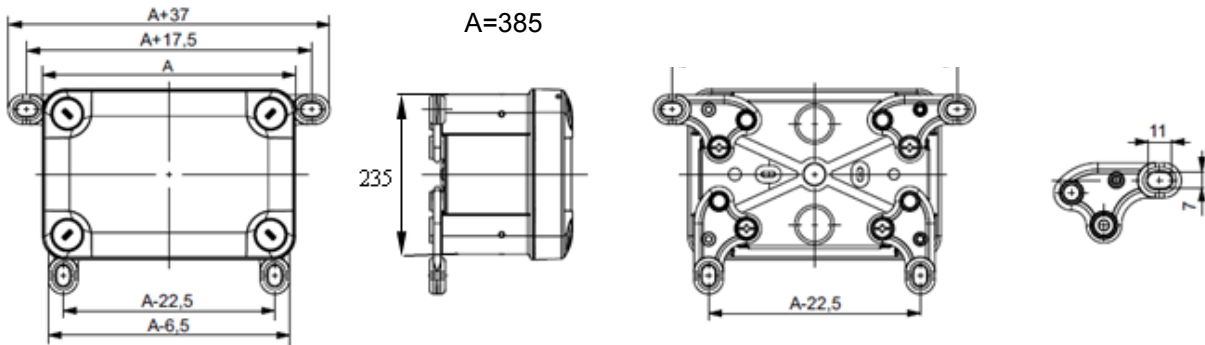
Attachment lugs are provided to mount the control panel on a wall.



Set of 4 brackets

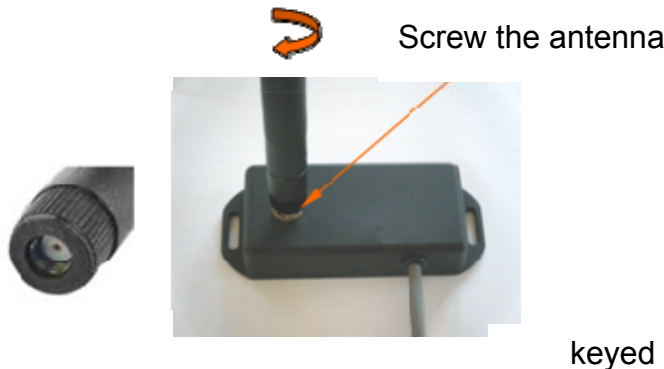
- . Preserves the protection index
- . Possibility of vertical or horizontal mounting
- . kit consisting of 4 brackets + screws

brackets (internal dimensions)



2-2. Antenna Module Connection

Screw the antenna connector to the box presence of a label



keyed



NB. The antenna module is provided with 20 m of cable. If additional length is required, please contact us.

2-3. Antenna Module Placement

We suggest placing the antenna as high as possible in order to radiate towards the receiver unit and obtain better reception.

Communication between the transmitter Control panel and the receiver units takes place by means of this antenna module.

This antenna module is sealed and may be installed outdoors.

2-31 Wireless external antenna characteristics

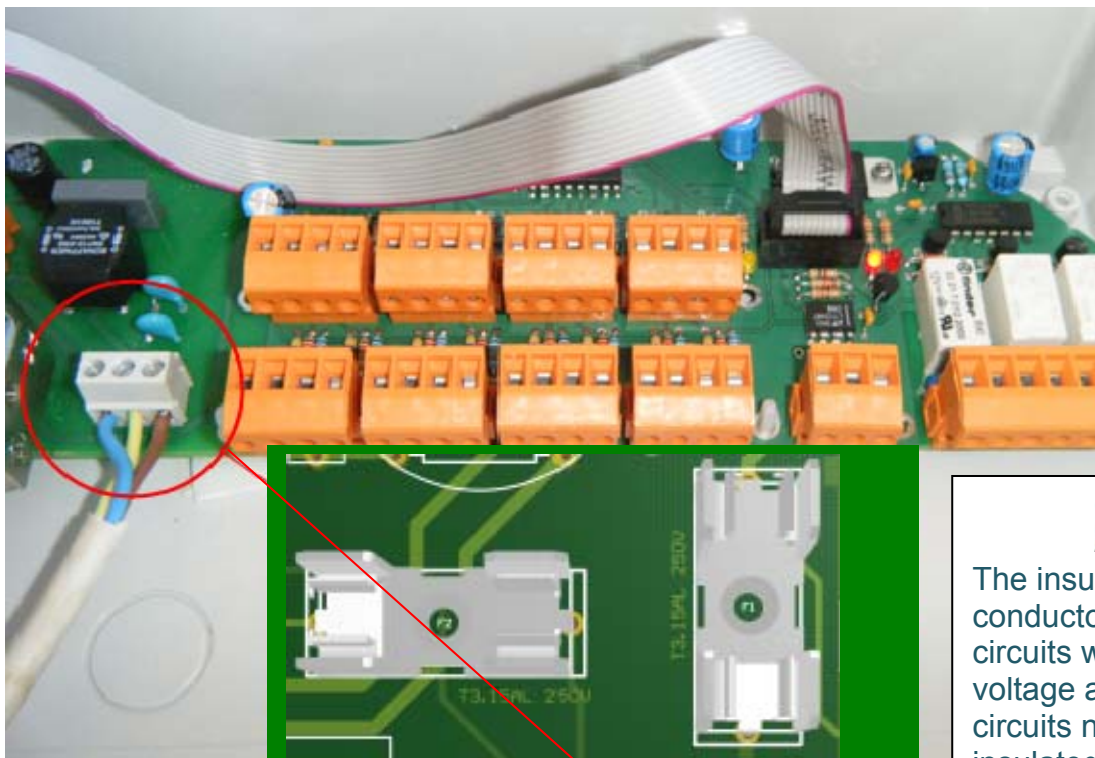
Standard Industrie Reference : **COFANTENNA**

Frequency [MHz]	Gain [dBi]	Impedance [Norm]	VSWR	Polarization	Electrical Length	Radiation	Color
868 – 928	3.0	50 Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black

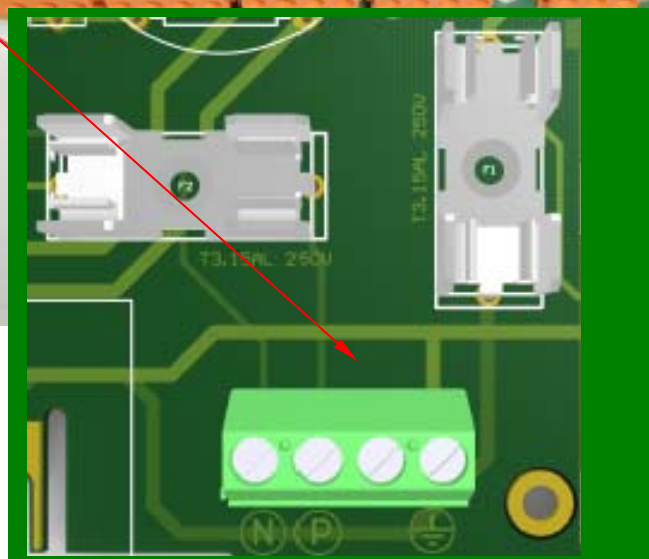
2-4. Control panel Presentation



2-5. Control panel Electrical Hook-up



White terminal block



!

The insulation of the conductors from the circuits with hazardous voltage and the other circuits need to be insulated by double/reinforced insulation for 300V outside and inside the equipment and to accessible parts

2-51. Control panel Electrical Characteristics

- Control panel universal supply voltage 120Vac
- Frequency 60 Hz
- Consumption 15W Max
- Protection, can withstand 105% of the initial power and the power source automatically cuts-off and turns back on.
- A connection to the earth of the control panel is required
- Electric cable used for connecting have to be in accordance with the standard IEC 60320-1, 60227
- If there is a power surge, the power source automatically cuts-off and turns back on after the repair.
- RF transmission module - 915 MHz as per IEEE 802.15.4 -2003/2006

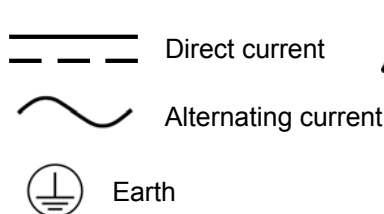
2-52. Environmental characteristics:

- Protection Index: IP66 IK 08
- Service temperature: Minimum: -10°C
Maximum: +70°C
- Humidity : no more than 80%
- Max altitude e.g up to 2000 m
- Pollution degree 2
- Material : Polycarbonate UL








2-53. Additional exterior Characteristics :

- Operator interface:
 - 4 line LCD backlit display of 20 characters each
 - 8-key keyboard
 - Indicator LED:
 - system (system operational)
 - fault (fault detected)
 - Front USB (software update and program upload)

2-54. Explanation of the different symbols on the labels :



The user must disconnect the control panel before access to the fuse.

	CONTROL PANEL ACW			RF FREQUENCY
	MODEL : COFACWCA			915 MHz
AC INPUT 	VOLTAGE 120Vac	MAX POWER 15 W	FREQUENCY 60Hz	REMOTE ANTENNA CONNECTOR →
CAUTION ! HAZARDOUS AREA   Do not remove the cover ! Trained service personnel only !   				
FCC ID: A29-COFACWCA IC: 10022A-COFACWCA				
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.				
This equipment complies with FCC's radiation exposure limits set forth for an uncontrolled environment under the following conditions: 1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times. 2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.				

2-55. Switching device :

The control panel is permanently connected to building installation, the installer must provide a current isolation device, easy accessible to operator and marked as disconnecting device to use in case of intervention in the control panel.



Attention : it is forbidden to clean the control panel in the high-pressure water.

The protection is impaired if equipment is used in a manner not specified by the manufacturer.

2-56. Instructions :

Changes or modifications not expressly approved by Standard Industrie could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can

radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

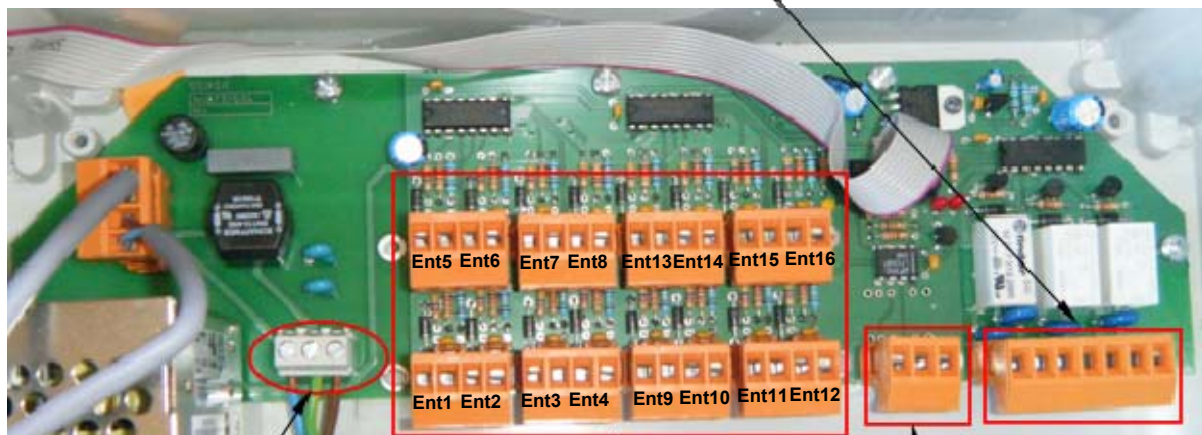
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This portable equipment with its antenna complies with FCC's radiation exposure limits set forth for an uncontrolled environment. To maintain compliance, follow the instructions below :

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. Avoid direct contact to the antenna, or keep contact to a minimum while using this equipment.

2-57. Control panel Circuit Board Operation

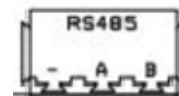
Alarm, Cycle, and Fault Relay Output



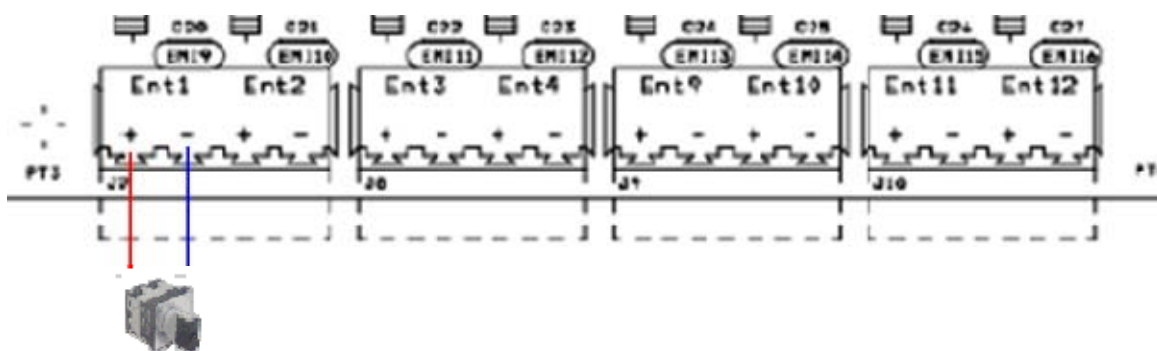
Control panel Power Source Terminal Block

16 servo-control inputs

RS485

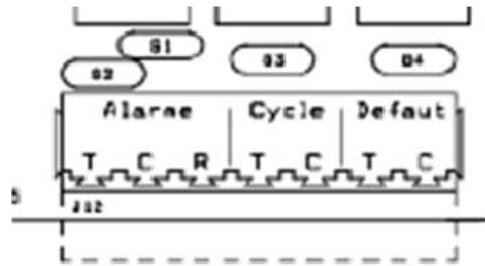


2-58. Servo-control hook-up



There are 16 servo-control inputs named **Ent1, Ent2, etc.** Normally open (NO) or normally closed (NC) dry contacts may be connected to it. These contacts may come from various systems (selector switch, sensor, automation output...). When programming a sequence, a number may be assigned to the servo-control that will start the sequence. **See page 20**
A sequence may therefore be started by the selected servo-control input number. If you do not want a servo-control, you must select **INACTIVE** in the selection

2-59. Alarm, Cycle, and Fault Relay Output



Relays used by these outputs:

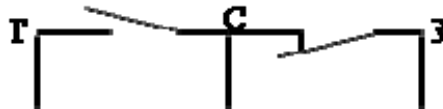
- 1 contact (NO and NC) for **the alarm** (emergency stop output).
- 2 NO contacts for **Cycle** (operational report output), **Fault** (fault output).
- These outputs must be correctly configured based on the items connected to their terminals (sirens, flashing light, automation input...). An external power source is required for sirens, flashing lights...

The maximum switching current and voltage of Alarm, Cycle and fault relays

Alarm : 6A-240 Vac, Cycle and fault relays : 8A-240 Vac

Normally open (NO) contact

Normally closed (NC) contact

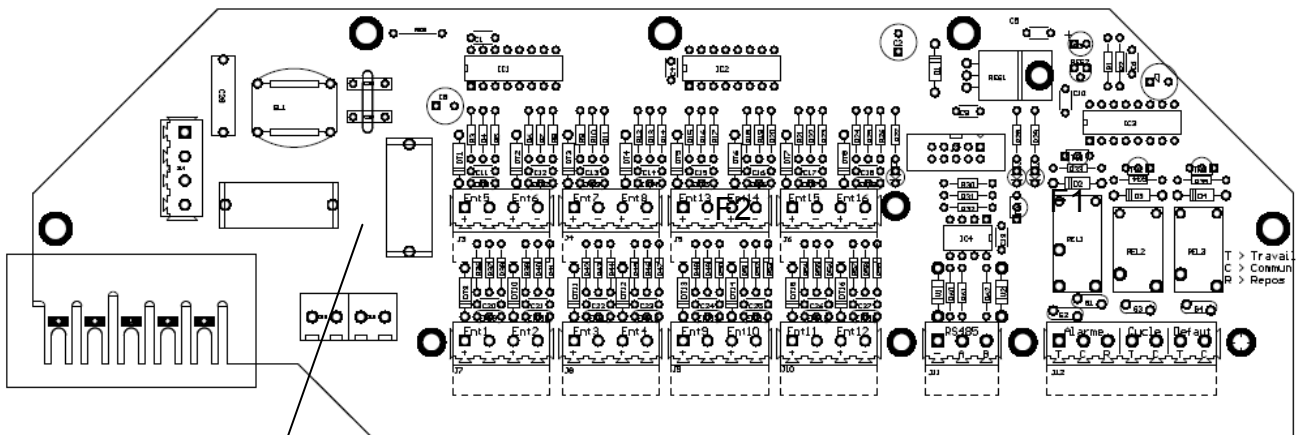


T: Working
C: Common
R: Rest

2-60. Changing fuses



*The user must disconnect the control panel before access to the fuse.
The fuses cuts the phase of 110Vac/240Vac and 12VDC after power supply Meanwell*



Fuse description

IEC 60127-2 · 250 VAC · Time-Lag T								
Description - IEC Standard Fuse - L = Low Breaking Capacity (Glass Tube)		Applications - Primary Protection in Equipment						
Standards - IEC 60127-2/3 - UL 248-14 - CSA C22.2 no. 248.14		References Pigtail Type FST 5x20 Pigtail Assembled Fuseholder OGN-SMD Fuse Kit Fuse Kit 5x20						
Approvals - VDE Certificate Number: 40016601 - UL File Number: E41599		Weblinks pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check						
Technical Data		Dimensions						
Rated Voltage	250VAC							
Rated Current	0.02 - 20A							
Breaking Capacity	35A - 200A							
Characteristic	Time-Lag T							
Admissible Ambient Air Temp.	-55°C to 125°C							
Climatic Category	55/125/21 acc. to IEC 60068-1							
Material: Tube	Glass							
Material: Endcaps	Nickel-Plated Copper Alloy							
Unit Weight	1 g							
Storage Conditions	0°C to 60°C, max. 70% r.h.							
Product Marking	Current, Voltage, Characteristic, Breaking Capacity, Approvals							



Two identical fuses

3- RECEIVER UNIT CHARACTERISTICS

Material : ABS + Aluminum
 Dimensions : 100 x 114 x 83 mm
 Weight: 195 g without batteries
 Supply voltage: 7.2V
 Service temperature: - 20 to +60°C
 Equipped with an 915 MHz RF module
 Standard Industrie reference: **REWCASEV**



3-1. Receiver Unit Batteries



You must use only our batteries,
 Standard Industrie reference: **BATACW**

Voltage : 7.2V-13Ah (2 x 3.6Vdc)
 Type : Lithium-ion non rechargeable
 Service temperature: - 20 to +85°C
 Max. storage temperature: 30°C
 Weight : 240 g for both



Recommendation

Do not recharge, short-circuit,
 dispose of in fire,
 expose to temperatures greater than 100°C,
 immerse, or alter its shape.
 Any one of these actions may damage the battery, or cause it to combust or explode.
 Store in a dry place at constant temperature.

3-2. Device Recycling (environment)



At the end of the batteries', receiver units', or Control panel's service life, you must not dispose of these produces with ordinary household waste. They must be disposed of at an electrical and electronic device recycling point. Comply with applicable regulations in your country.

3-3. Warranty

The warranty does not cover damage caused by external factors such as lightning, flooding, and fire.

No warranty shall apply if the device was repaired or modified by the purchaser or if its serial number has been modified, removed, or rendered illegible.

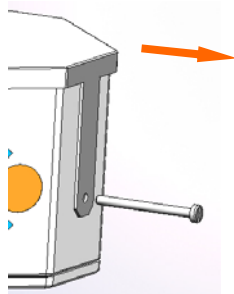
Comply with the instructions for use contained in the manual.

4- WIRELESS AIRCHOC RECEIVER UNIT START-UP

Use a flat screwdriver with a max. blade thickness of 0.5.

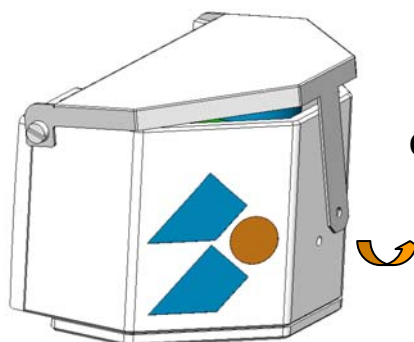
1

Remove the screw



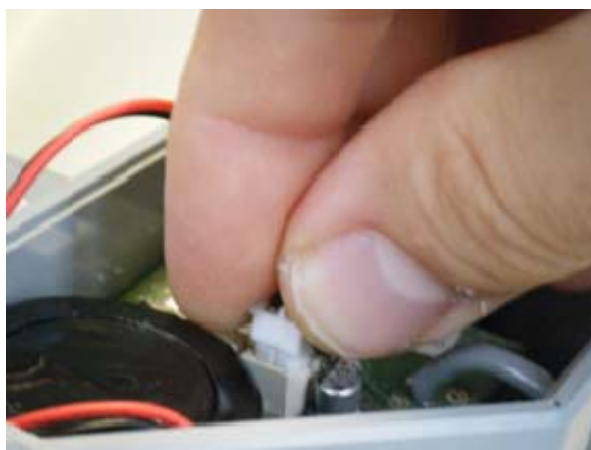
2

Open the cover



CONNECT THE BATTERIES

3



Attach the battery connectors to the device. Direction is unimportant. The batteries must be identical.



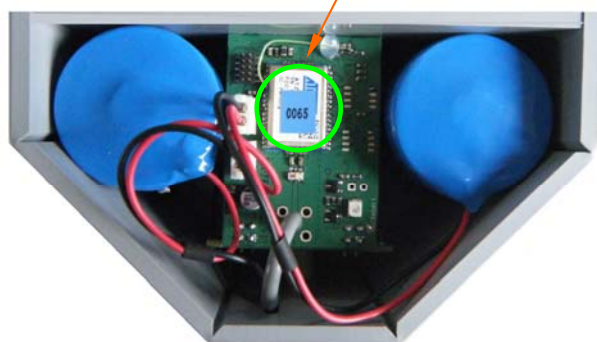
Press on the connectors until you hear a click

CLOSE THE COVER

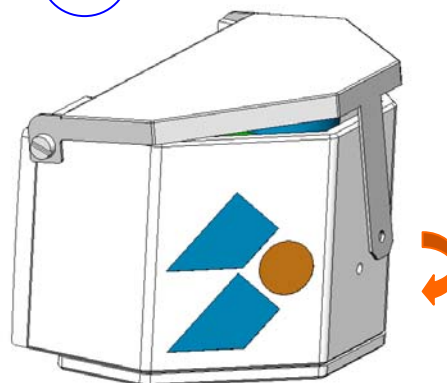
4



Find the MAC* address
4 characters

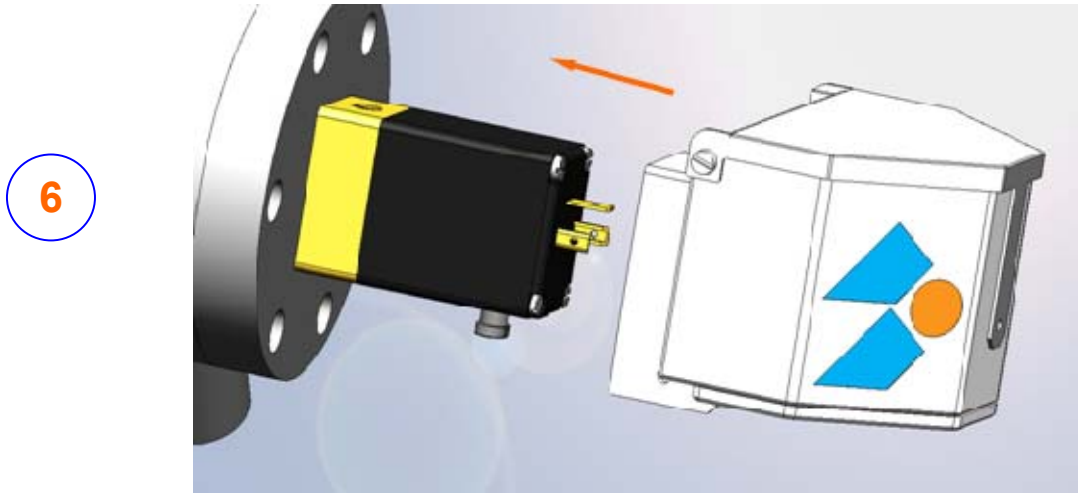


5

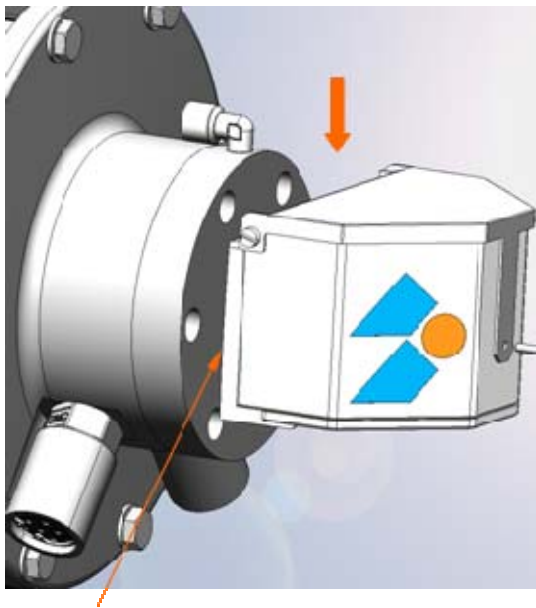


*The MAC address will be used when registering the Airchoc and for communications between the Control panel and the receiver unit

ATTACH THE RECEIVER UNIT HOUSING TO THE SOLENOID VALVE

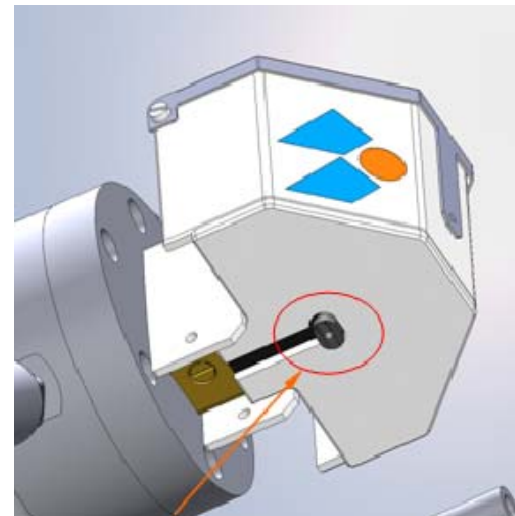


6



7

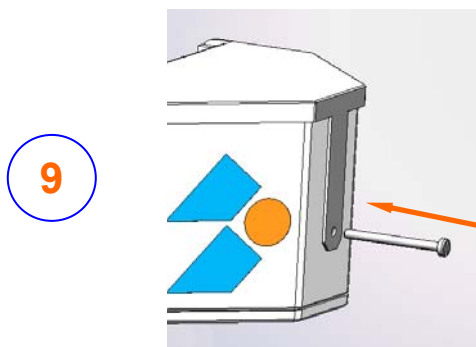
The housing must abut the base



8

Ensure that the manual solenoid valve control is correctly positioned in relation to the oblong hole

TIGHTEN THE HOUSING TO THE SOLENOID VALVE



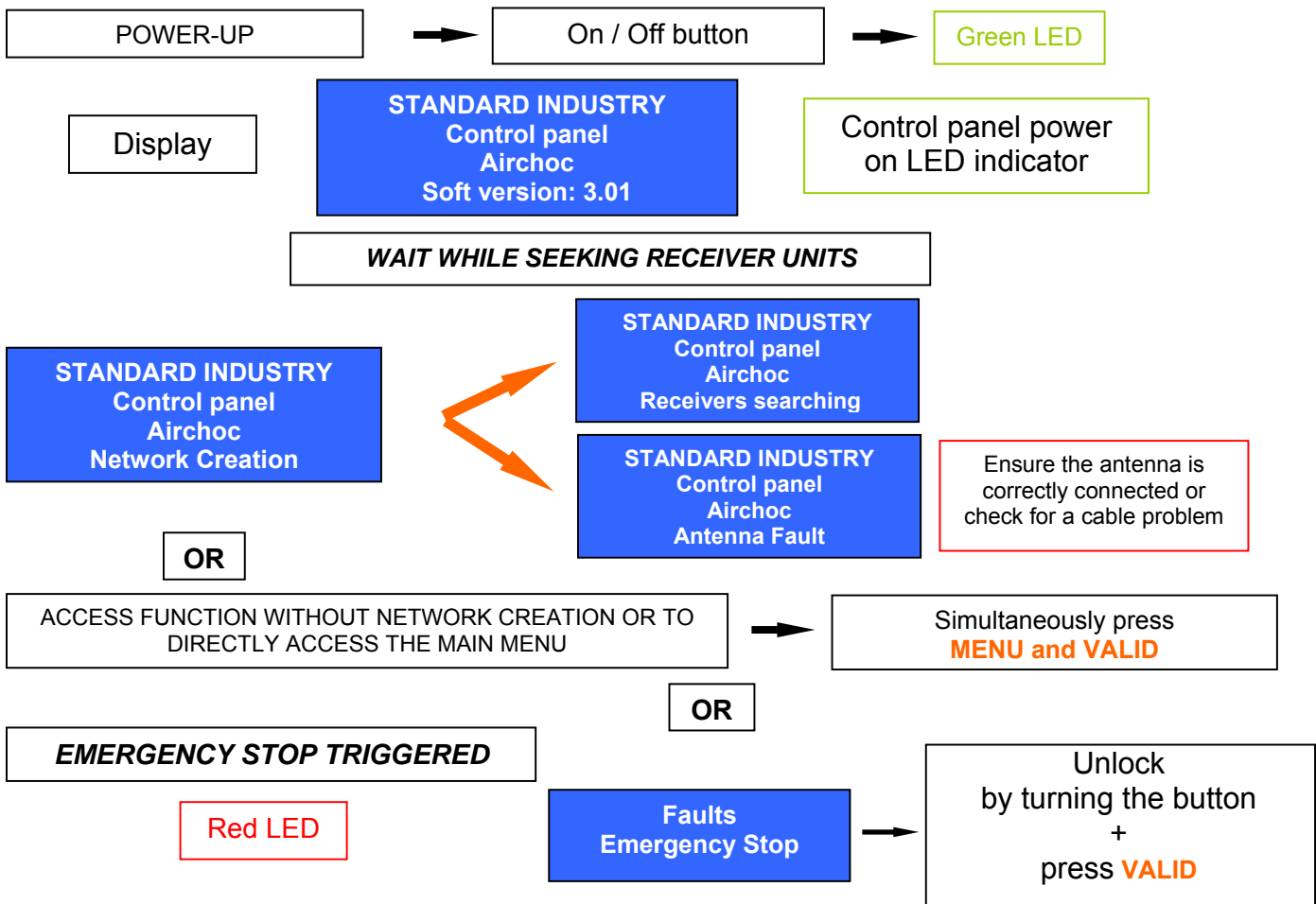
9



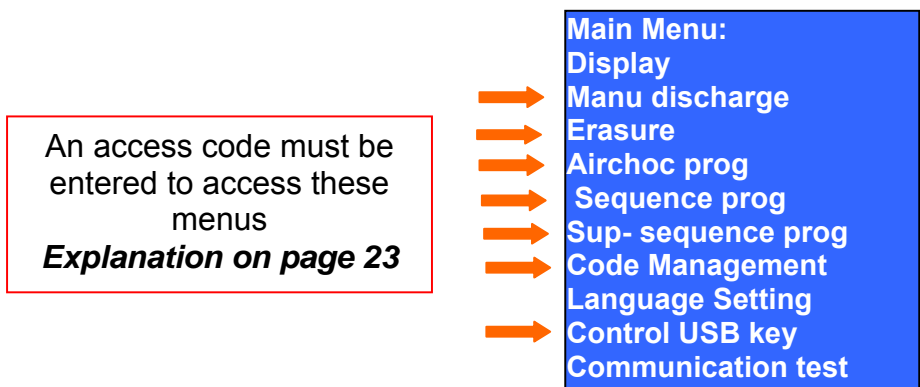
***Compress the cover until you are in front of the screw hole.
The screw will tighten the housing through the solenoid valve***

WIRELESS CONTROL PANEL OPERATION

5- CONTROL PANEL START-UP



6- MAIN MENU



It has 10 menus accessible using the ▼ / ▲ keys. Functions are accessed using the **VALID** key.

Access to all menus requires an access code, except for selecting the display, language, and communications test.

Generally:

- the keys ▼ ▲ are used to select a line
- the keys ◀ ▶ are used to select a field
- the keys + - are used to modify a field
- the **VALID** key is used to validate data and save
- the **MENU** key is used to enter the menu and get out of an action without saving

6-1. Menu Operation

6-11. MENU - DISPLAY

Display mode provides for viewing Airchoc program, sequence, and super sequence lines, as well as the counters and faults using the keys.



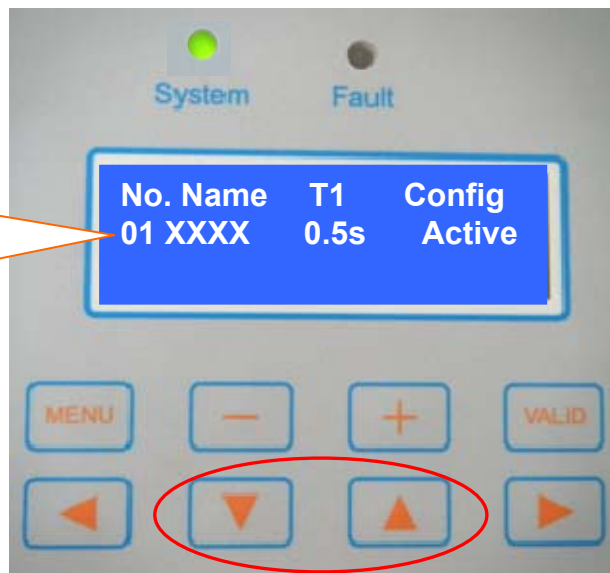
6-12. MENU – MANU DISCHARGE

Manu discharge menu
Code Entry : 0000

Enter Your
Access Code

The manual firing menu provides for manually triggering an Airchoc whether it is active or inactive. This is used to check correct Airchoc operation

Select an Airchoc that you previously registered in the *Airchoc prog menu* (see page 17)



Scroll keys

PRESS **VALID** AFTER MAKING YOUR



Manu Discharge
Airchoc 01 XXXX
Press VALID

PRESS **VALID** AGAIN TO FIRE



Ensure there is
no danger
before firing



Manual discharge AC
In Progress

6-13. MENU - ERASURE

Display sub-menus

ERASURE choice :
→ Faults
Airchoc
Sequence
Super - Sequences
Reset by default

6-13a FAULT PRESENCE

Red LED



Display fault type:

- : **Transmission error**
- : **Receptor batt. < 25%**
- : **Solenoid valve cut**
- : **Airchoc Maintenance**

Transmission error
Nr01 XXXX 0 Fault

Receptor batt. < 25%
Nr01 XXXX Batt. ok

Solenoid valve cut
Nr01 XXXX coil ok

Airchoc Maintenance
Nr01 XXXX maint. ok

Only the 4 faults in bold will be saved:
Each fault displayed will be dependent on an Airchoc and may be acknowledged one by one.

6-13b FAULT DELETION

Select the fault type using the ▼ / ▲ keys.

Transmission error
Nr01 XXXX 0 Fault
Nr02 XXXX Nb: 01

Select the line to delete

DELETE



PRESS



then



6-13c GENERAL FAULT DELETION

Go to the menu

Faults :
Transmission error
Receptor batt. < 25%
Solenoid Valve cut

**SIMULTANEOUSLY
PRESS FOR 3S**

ON



Delete all faults
Valid Quit

Select the option
with ◀ ▶
+



Only the last 50 faults are visible.

6-13d AIRCHOC DELETION

Erase menu

Code Entry : XXXX

ERASURE choice :
Faults
→ Airchoc
Sequence

Select
the line

N b	N a m e	A d r e s s	M a c >
0 1	A C 0 1	0 0 6 4	
0 2	A C 0 2	0 0 5 3	
0 3	A C 0 3	0 0 5 4	

Select the
Airchoc to be
deleted

PRESS

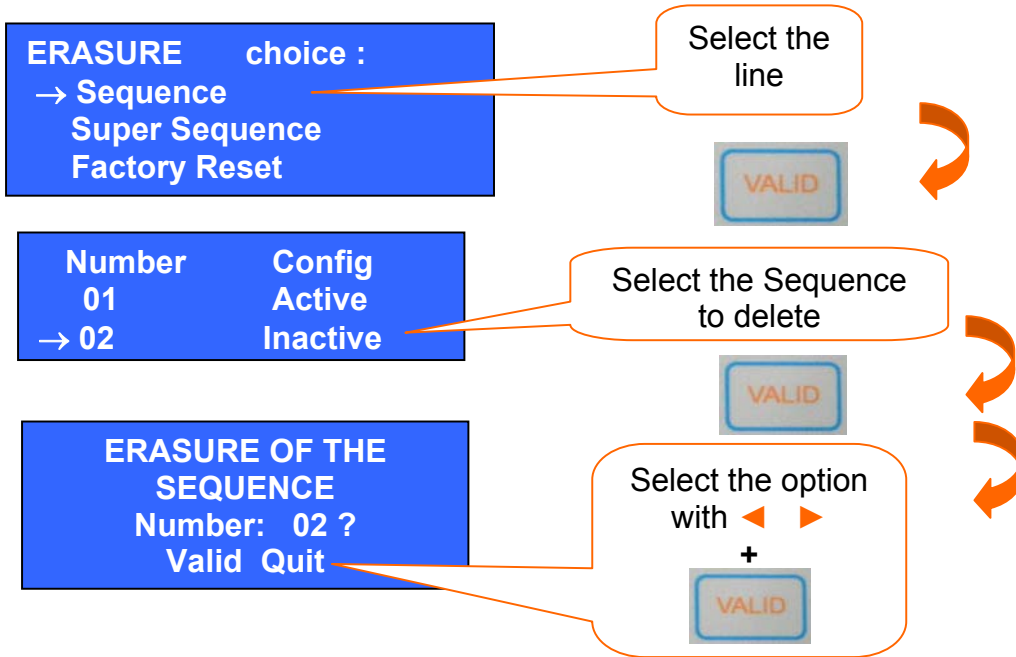


ERASURE OF THE
AIRCHOC
Number : 01 ?
Valid Quit

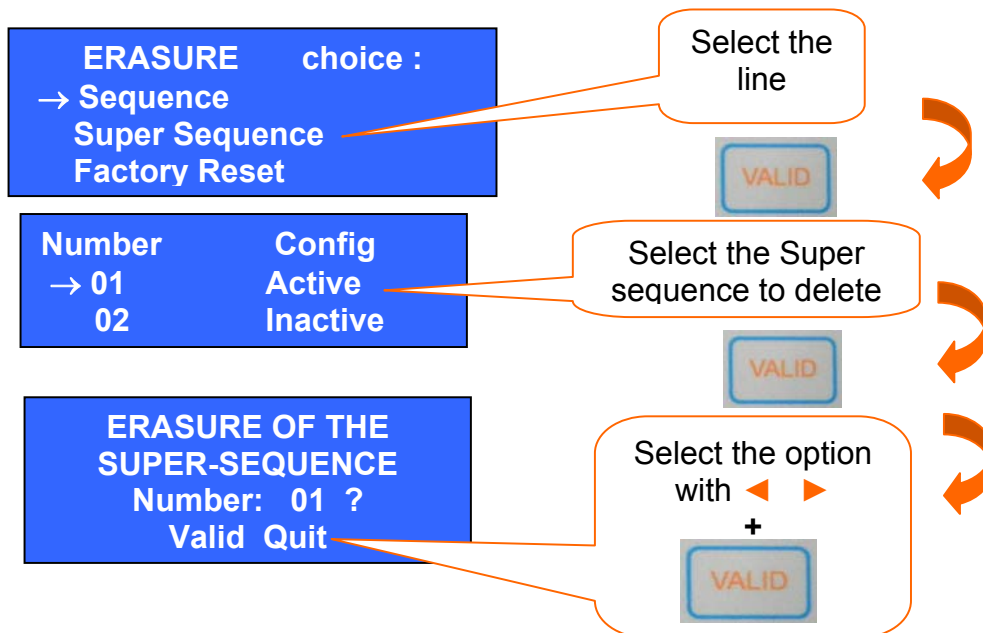
Quit flashes

Select Valid
◀ key + **VALID**

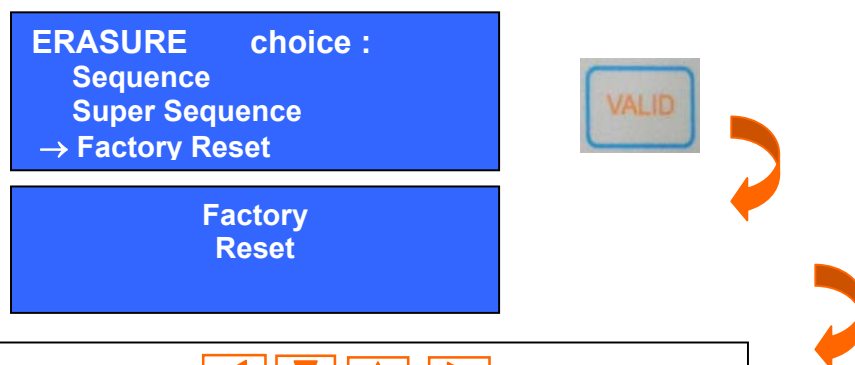
6-13e SEQUENCE DELETION



6-13f SUPER SEQUENCE DELETION



6-13g FACTORY RESET



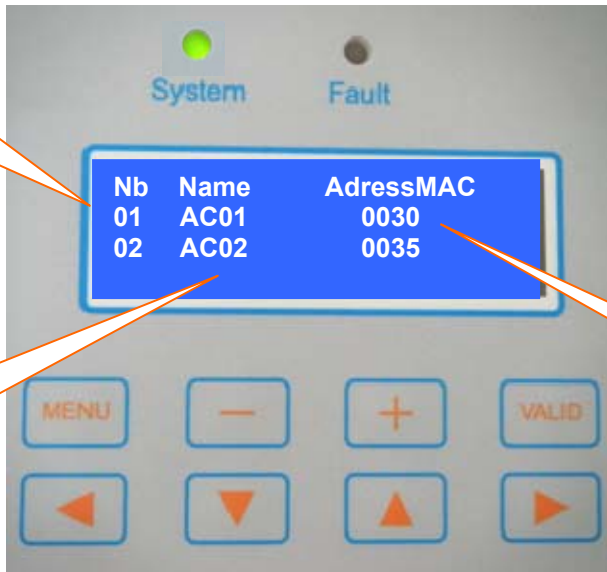
Simultaneously press ◀ ▼ ▲ ▶ to validate

6-14. MENU - AIRCHOC PROGRAMMING

Main Menu:
→ Prog Airchoc
Prog Sequence
Prog Supsequence

From the main menu, press the key until the **Airchoc prog** line flashes. Then press the **VALID** key in order to enter the menu. The Airchoc, receiver unit MAC address, and configuration lines are displayed.

Physical Airchoc number



4 alphanumeric characters possible

4 characters address

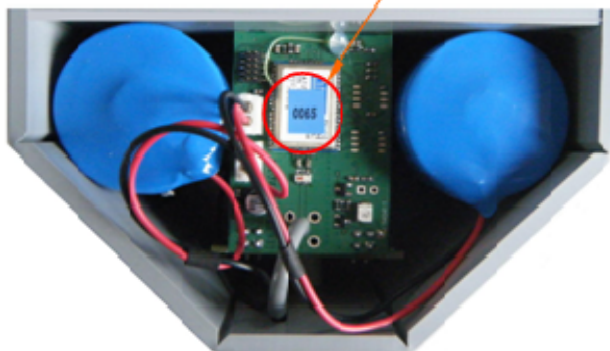
Key to use :   to increase

Key to use :   to go to the next character

Press and hold :   to fast forward

6-14a Receiver Unit MAC Address

MAC address



ADD AN AIRCHOC

Go to the last line saved, press and hold the key



DELETE AN AIRCHOC

Go to the Airchoc to be deleted, press and hold the key



CONFIGURING THE AIRCHOC

Step no.

	AIRCHOC Name	T1 (Pulse time)	Configuration (active / inactive)
N b	N a m e	T 1	C o n f i g
0 1	A C 0 1	0 . 5 s	A c t i v e >
0 2	A C 0 2	0 . 5 s	A c t i v e
0 3	A C 0 3	0 . 5 s	I n a c t i v

After selecting the Airchoc using the ▼ and ▲ keys, you may access the settings using the ◀ ▶ keys.

3 fields are accessible for each Airchoc:

- The **T1** field is 0.5 s by default.
- The **Config** field is used to deactivate an Airchoc. If an Airchoc is in inactive mode and present in a sequence, the canon may not be triggered. It is inactive by default.

6-14b AIRCHOC REGISTRATION

Pressing **MENU + VALID** will register the Airchoc



**AIRCHOC
Record
validation
No: Menu Yes: Valid**

AIRCHOC COMMUNICATION TEST

After configuring the Airchocs, a communication test may be performed in order to ensure correct communications between the Control panel and the receiver units.

In the same menu, go to the Airchoc line to be tested

N b	N a m e	T 1	C o n f i g
0 1	A C 0 1	0 . 5 s	A c t i v e >



PRESS **VALID**

Press the key to accept



**Communication test :
Airchoc AC01
No Menu Yes Valid**

6-14c COUNTERS

Display Various Counters

Nb	Name	CustCount
01	AC01	000000
02	AC02	000000

Nb	Name	Max Client
01	AC01	0050000
02	AC02	0000000

Nb	Name	< Sindcount
01	AC01	0000000
02	AC02	0000000

- **Client counter (CustCount):** number of Airchoc firings (may be reset).
The counter increases every time it communicates with the receiver unit.

COUNTER RESET

Simultaneously press **VALID + ◀**

- **Counter (MaxClient)** is an adjustable maintenance threshold. When the CptClient exceeds the MaxClient value a maintenance fault will be triggered. By default it is set to 0050000. The value may be increased or decreased from 50000 by 1000s with the keys



- **STANDARD INDUSTRIE counter (Sindcount):** The counter increases every time it communicates with the receiver unit. This counter may not be initialized. It is used for monitoring by our technical services.

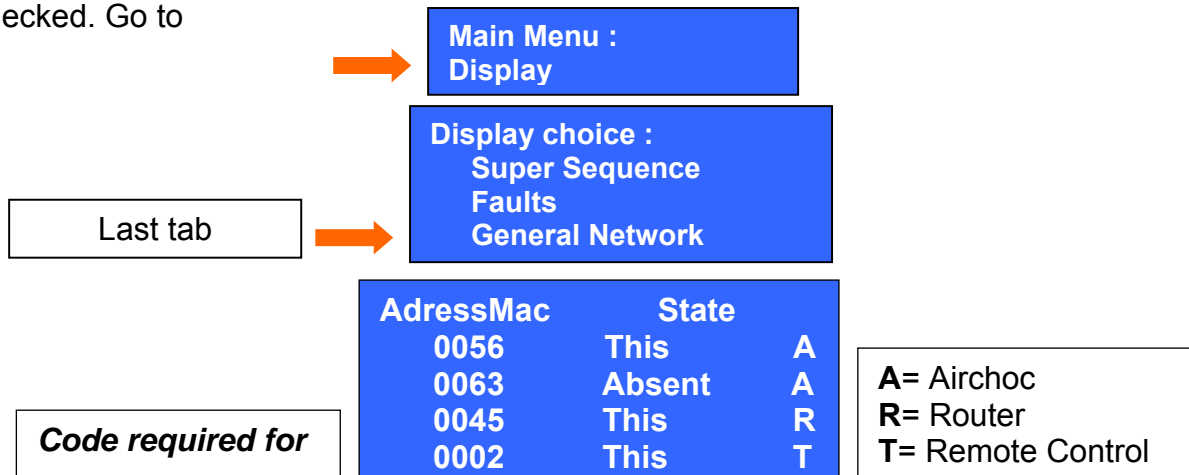
5-14d RECEPTION LEVEL BETWEEN THE CONTROL PANEL ANTENNA MODULE AND THE RECEIVER UNIT

Nb	Name	< Signal Level
01	AC01	20
02	AC02	
03	AC03	

The Airchoc **Signal Level** is a means of checking reception quality between the Control panel antenna module and the receiver units. This value may range from 0, meaning no signal, to 28, meaning perfect signal quality. This value must be greater than 5 for the facility to operate correctly.
A value less than 5 may cause communication faults.

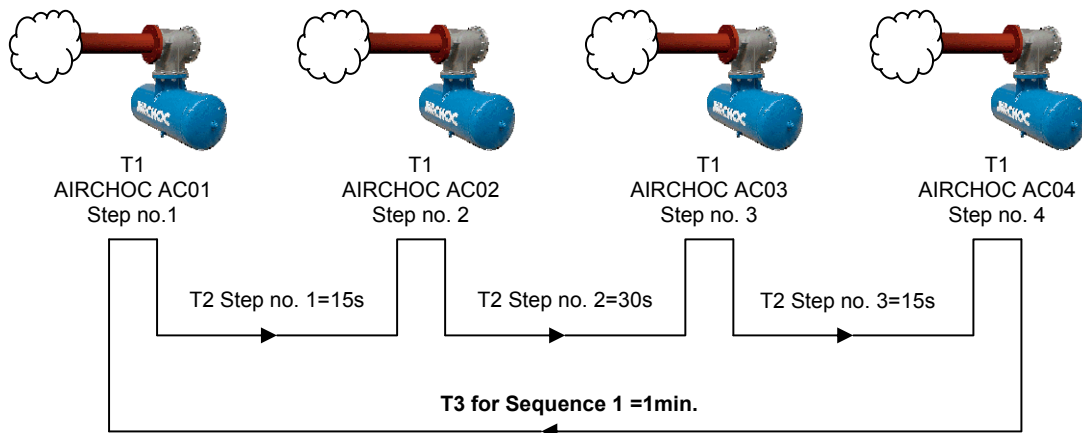
6-14e NETWORK MONITORING

The presence or absence of the various components composing the network may be checked. Go to



6-15. MENU – SEQUENCE PROGRAMMING

Example of sequence programming



Programming a sequence

From the main menu, press the ▼ key until the **Prog Sequence** line flashes. Then press **VALID** to begin programming.

Always enter the access code to gain access to sequence configuration.

Sequence	Config
01	Active
02	Inactive

ADD A SEQUENCE

Go to the last sequence and press and hold ▼

CONFIGURE A SEQUENCE

Step 1

Sequence	Nr: 01
Config:	Active
Servo-control	: 01
State:	NO RESET

Press

To go to step 2

Servo-control Assignment

Move to the sequence of your choice and press the **VALID** key to select it.

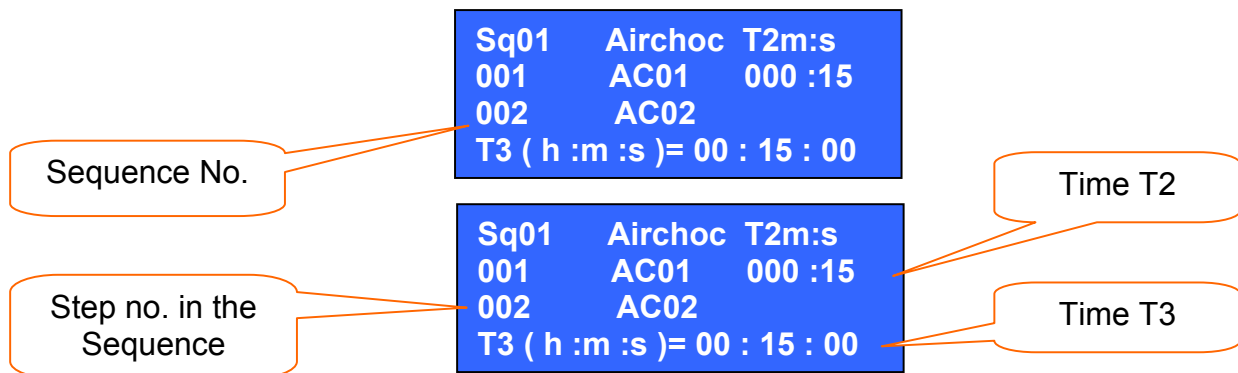
Access the settings using the ▼ ▲ keys.

3 fields are accessible for each sequence:

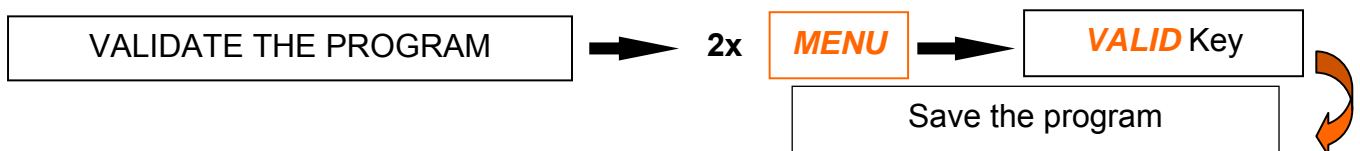
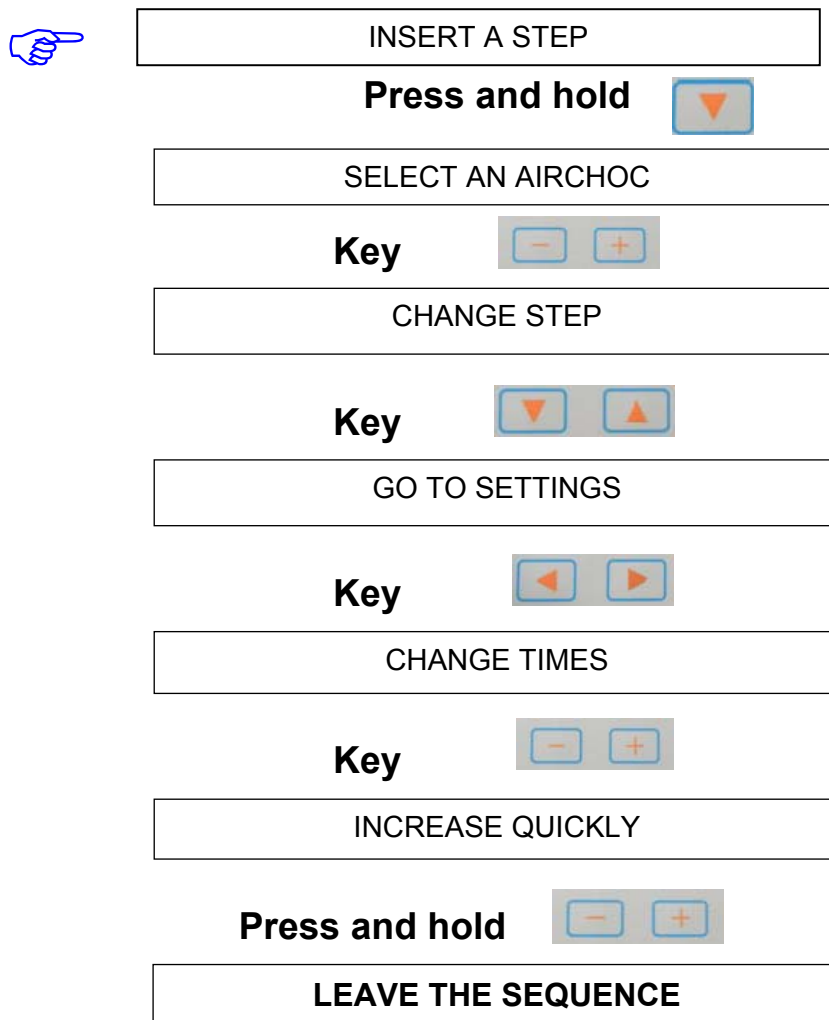
Change fields using the keys

- The **Config** field activates or deactivates the sequence. If a sequence is deactivated, no servo-control is assigned to that sequence. If a sequence is in inactive mode and it is present in a super sequence, it may not be triggered.
- The **Servo-control** is used to assign the corresponding servo-control to a dry contact On/Off controller input. 16 servo-controls are possible. **(See page 7)**
- The **state** field provides for defining the type of servo-control assigned to the sequence: 5 statuses are possible: NO Reset, NC Reset, NO Pause, NC Pause, and Inactive. “Reset” reinitializes the cycle, “Pause” stops the cycle, “NO” and “NC” define the status type. “Inactive” deactivates the servo-control input.

Step 2  **CREATING THE PROGRAM**



Sequences are programmed line by line. Each line corresponds to a step in the sequence. For each step, an Airchoc – its address – must be assigned. Moreover, between 2 steps, a time (T2) must be indicated, except for the last sequence step which will have a time (T3) before the cycle repeats.

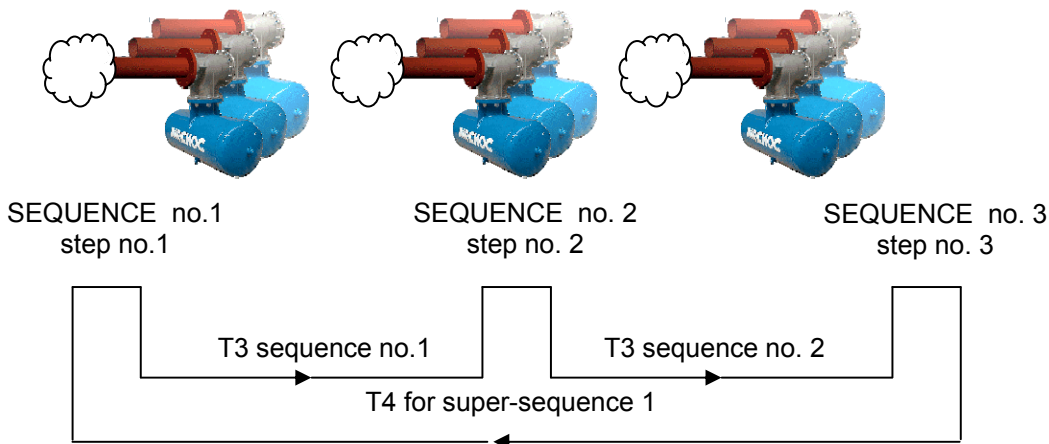


6-16. MENU - SUPER SEQUENCE PROGRAMMING

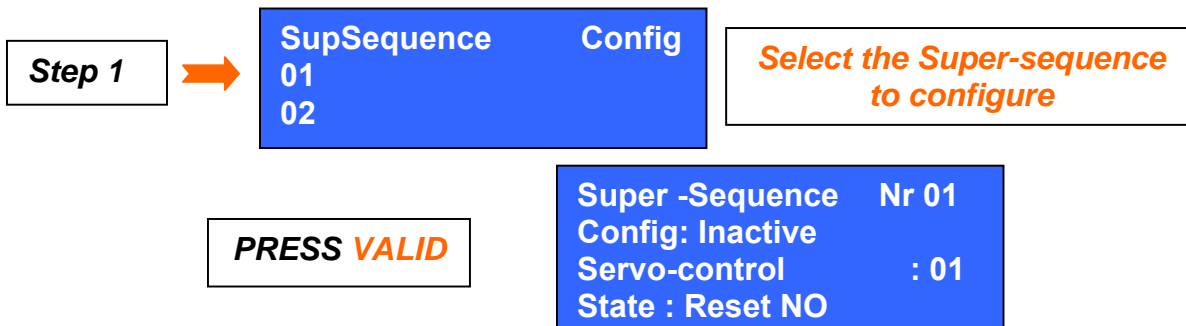
Program creation:

Super sequences are programmed line by line. Each line corresponds to a step in the super sequence. For each step, a sequence must be assigned by number. Moreover, between 2 steps, there is a time (T3) corresponding to the T3 time programmed in the sequence. Lastly, the last sequence step has a time (T4) before the cycle repeats.

Example of super sequence programming:

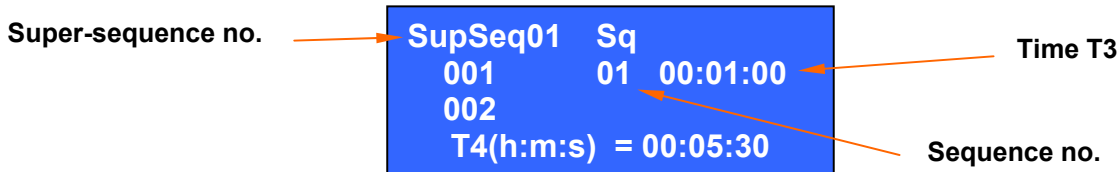


6-16a SUPER SEQUENCE CONFIGURATION



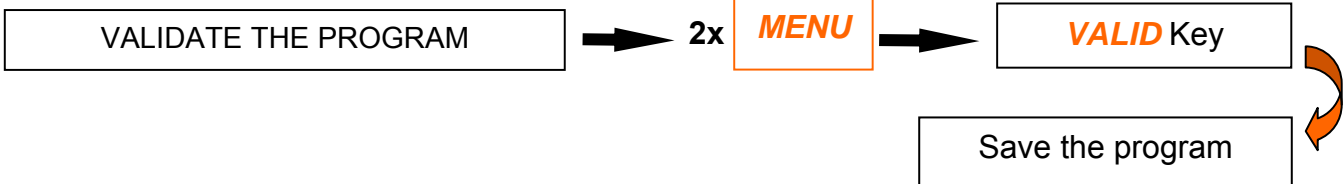
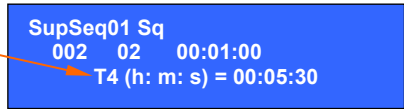
Servo-control and status settings are the same as for the Sequence menu.

6-16b SUPER SEQUENCE PROGRAMMING



Use the same keys as for a sequence

After programming the various steps, you must set the T4 time. To do so move to the last line using the key and then use the key . Move to the T4 time and change the values using the keys / .



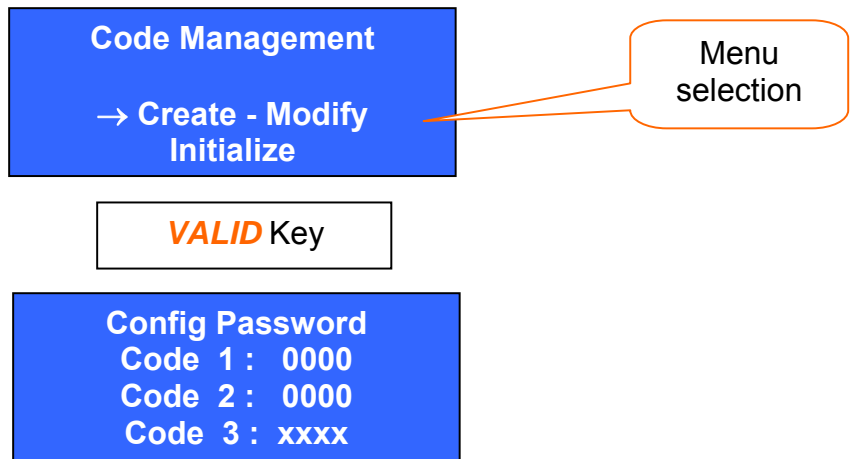
6-17. MENU-ACCESS CODE MANAGEMENT

This menu is used to create, modify, or initialize access codes used to enter the various menus.

To access this code management menu, you must enter code 2 (by default this code is 0000).

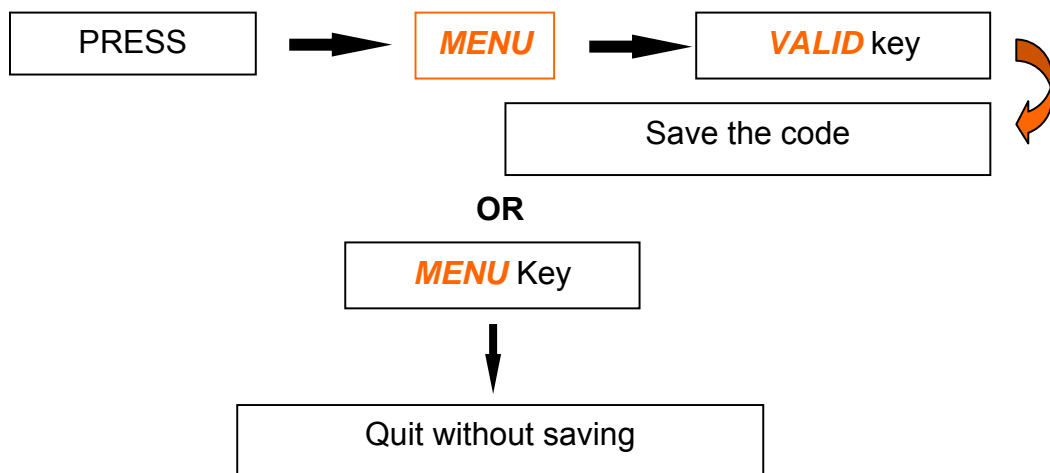
We suggest you change this code the first time you use the Control panel.

6-17a CODE CREATION / MODIFICATION



Use the keys to access the various codes or characters.

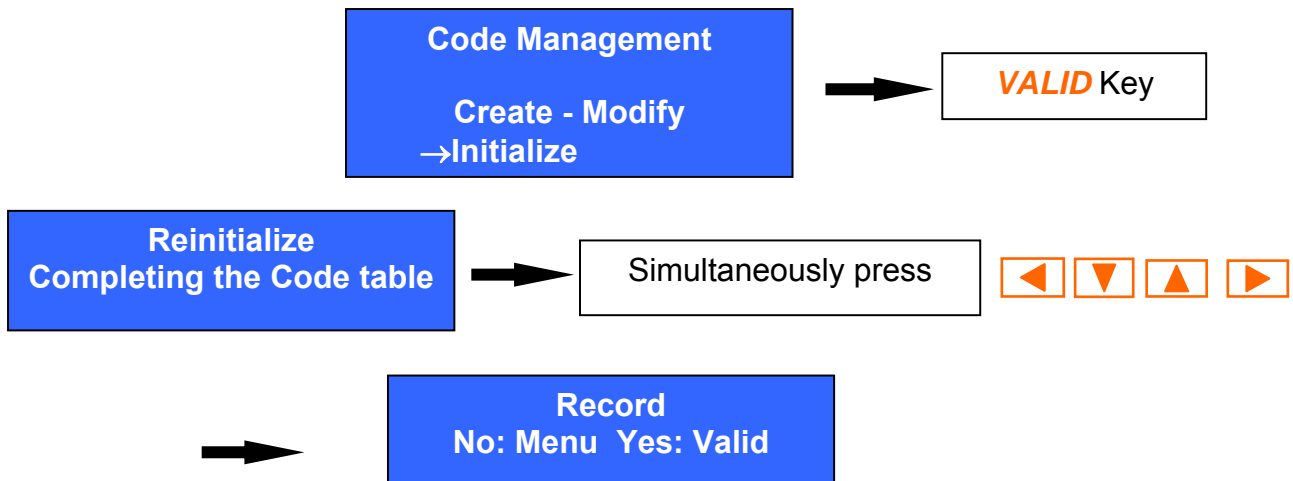
Use the keys to increase or decrease the digits.



6-17b CODE LEVELS

- Code 1:** this code provides access to manual Airchoc firing, the view menu, and language selection.
- Code 2:** this code provides access to all menus and programming, allows resetting counters, except for the Standard Industrie counter. Fault deletion.
- Code 3:** this code is exclusively reserved for Standard Industrie access. Using this code a Standard Industrie technician has access to all Control panel functions and may reset the Standard Industrie counter.

6-17c CODE TABLE INITIALIZATION



6-18 Menu - Language Setting

From the main menu press the ▼ key until the **Language setting** line flashes. Then press **VALID** to save the language.

L	a	n	g	u	a	g	e		s	e	t	t	i	n	g				
	→	F	r	a	n	c	a	i	s										
		E	n	g	l	i	s	h											
		E	s	p	a	g	n	o	l										
		D	e	u	t	s	c	h											
		I	t	a	l	i	a	n	o										

6-19 Menu – Control USB Key

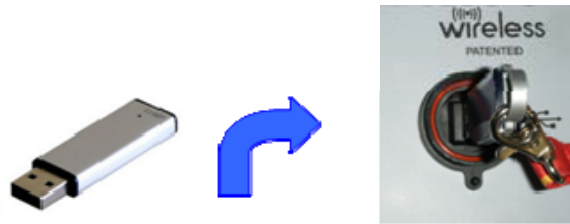
Menu USB Key
Enter code: XXXX

This menu is used to upload a new program or download a program from the Control panel with our “AIRCHOC TRANSFER SYSTEM” software.

HANDLING

6-20a SAVE PROGRAM

- Insert the key into the Control panel which has been turned on.

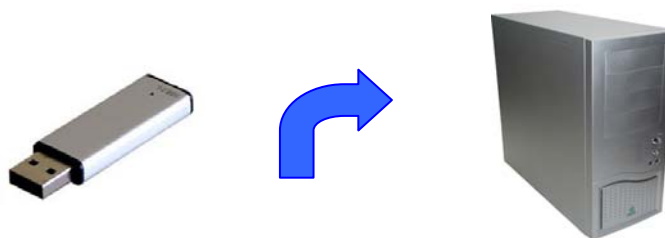


- Go to the menu USB Key on the Control panel



Save

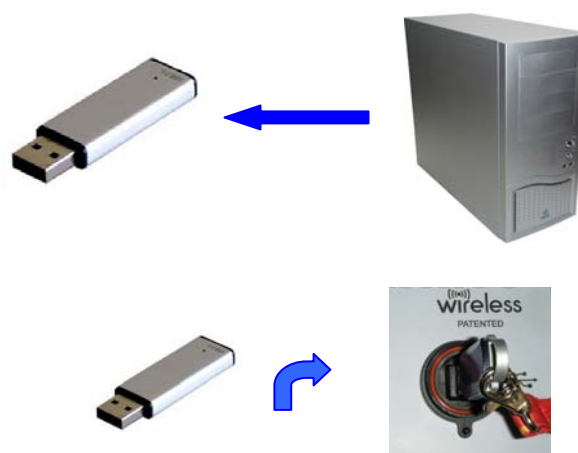
- When you return to the main menu, remove the key.
- Insert the key in the PC where the "AIRCHOC TRANSFER SYSTEM" software is installed.



- Run the "Airchoc Transfer System" software
- Select "Load"
- The "Select" to find the location on the USB key (for example "removable disk (D:)").
- Then validate
- The 3 boxes Airchoc – Sequences – Super Sequences are displayed. The Control panel settings are present in these 3 tables.

Here, you can modify or add an Airchoc for example. Each time you press "modify," "add," or "delete" it is saved to the key!

6-20b UPLOADING PROGRAMS TO THE CONTROL PANEL

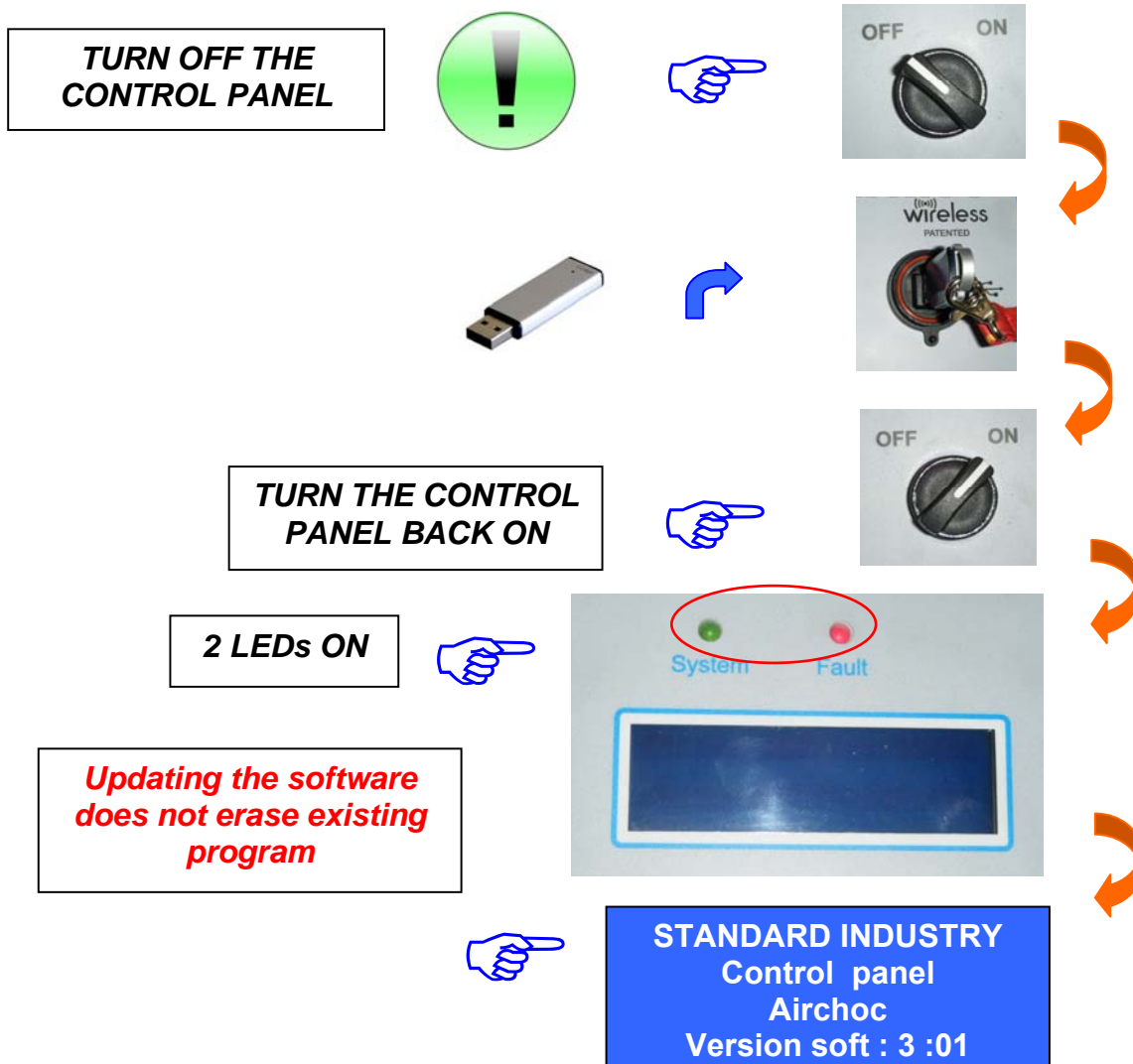


 **Control USB Key**
Code Entry : XXXX

- Go to the menu USB Key on the Control panel
- Select "Upload"

All the changes made are now in the Control panel.

6-20c UPDATING THE CONTROL PANEL VERSION



6.21- COMMUNICATION TEST

Using this menu, you may check the connection between the Control panel and the receiver units at any time.

Select the menu

Main Menu:
Language Setting
Control USB Key
→ Communication Test

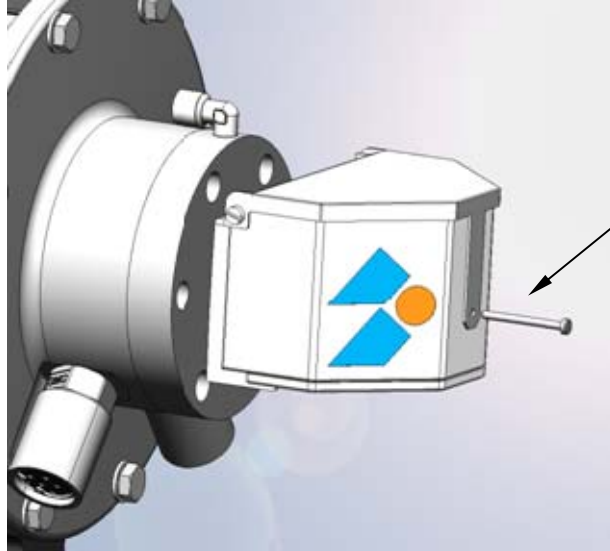
→ **VALID Key**

The same functions as when starting-up the Control panel are available.

7- CHANGING RECEIVER UNIT BATTERIES

Use a flat screwdriver with a max. blade thickness of 0.5

1

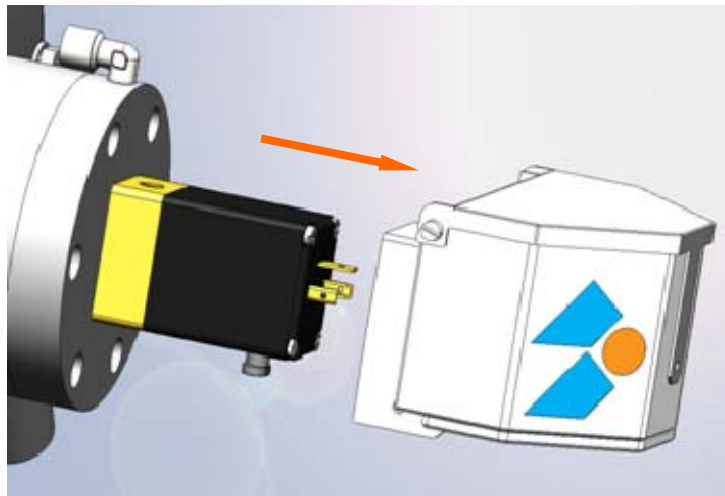


Unscrewing the
M3x35 screw



If the Airchoc is hard to reach, remove the receiver unit from the solenoid valve

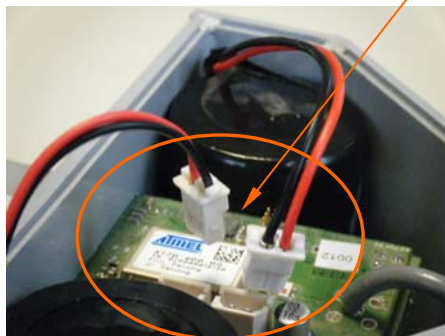
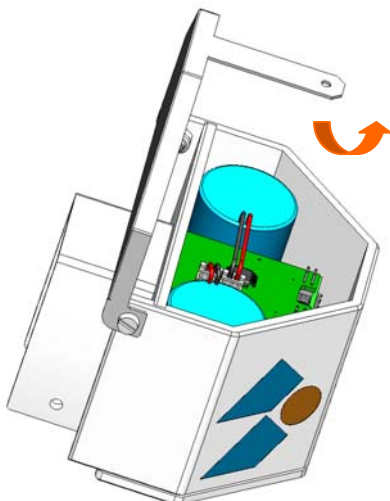
2



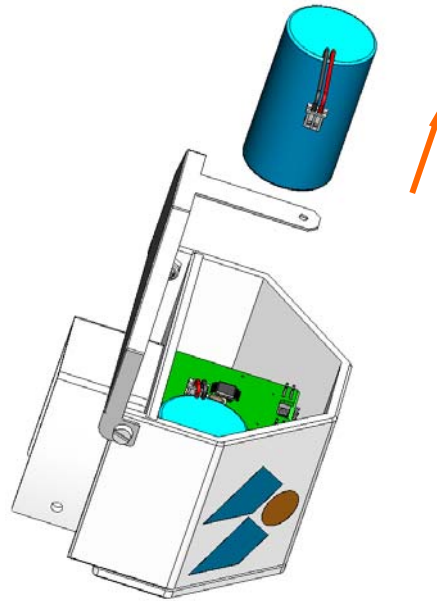
REMOVE THE BATTERIES

Disconnect the 2 connectors

3






4



BATTERY INSTRUCTIONS, REMINDER

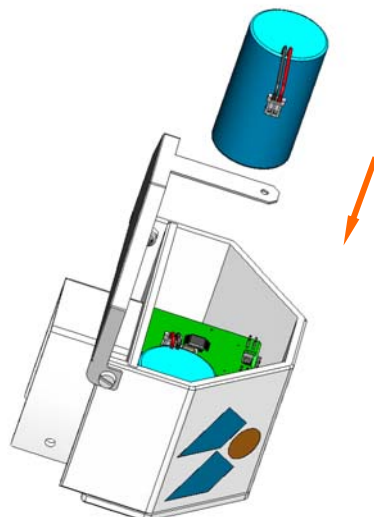


 <p>Standard industrie CSMELELI03</p>	 
<p>Do not recharge, to short circuit, do not throw into fire, to expose above 100°C, to dump, to deform : one of these actions can make damages, fire or explosion of the battery. To be stocked into dry area and stable temperature.</p>	

Do not recharge, to short circuit, do not throw into fire, to expose above 100°C, to dump, to deform : one of these actions make damages, fire or explosion of the battery. To be stocked into dry area and stable temperature.

INSTALLING NEW BATTERIES

5



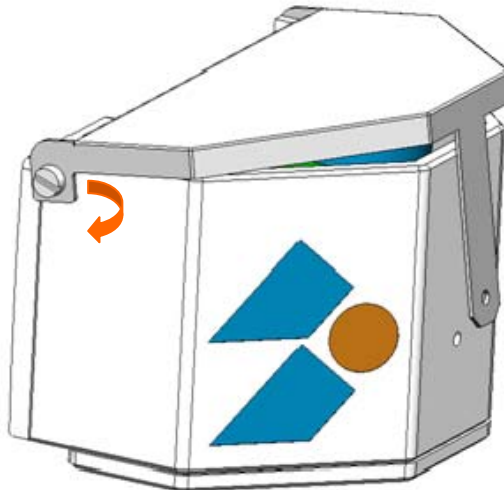
CONNECTING THE CONNECTORS

6



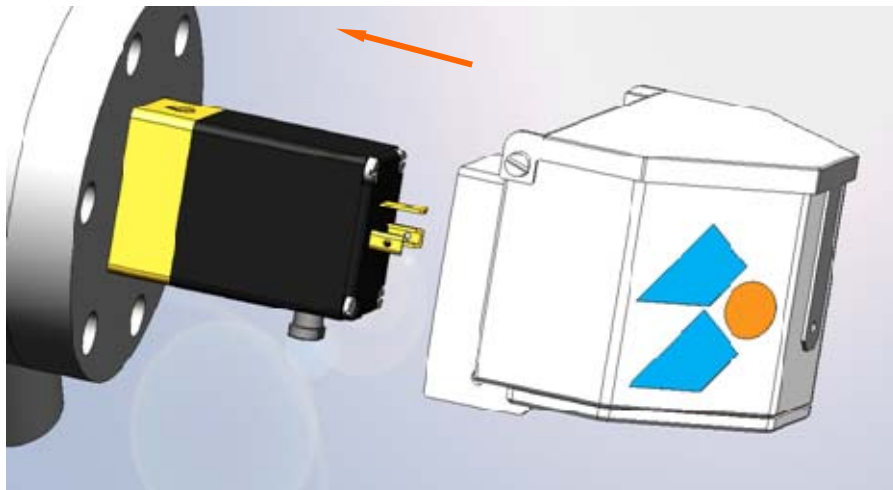
Press the connectors until you hear a click

CLOSE THE COVER



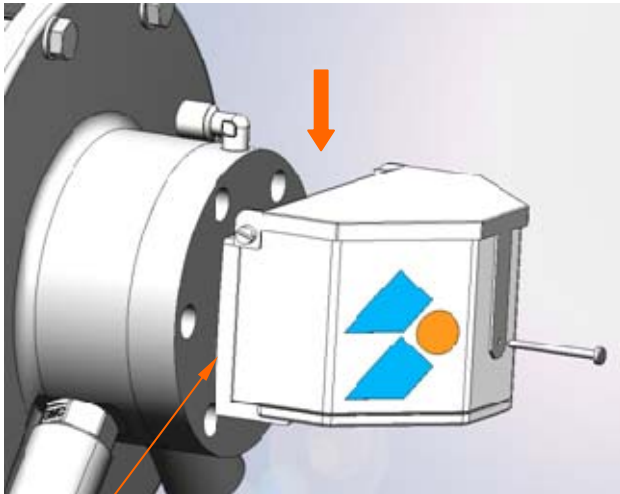
ATTACH THE HOUSING TO THE SOLENOID VALVE

7

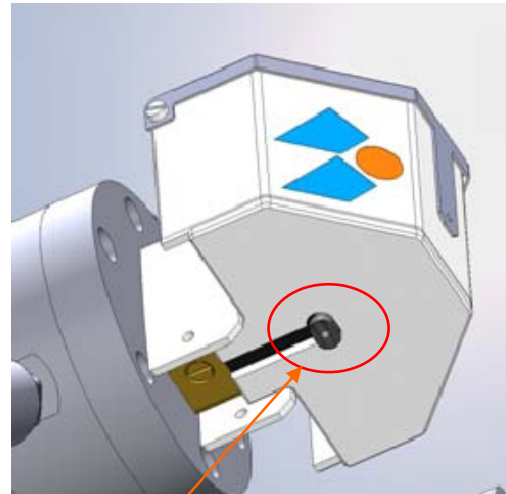


ATTACH THE HOUSING TO THE SOLENOID VALVE

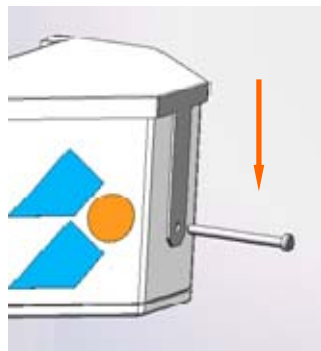
8



The housing must abut the base



Ensure that the manual solenoid valve control is correctly positioned in relation to the oblong hole



Press down on the cover until you are in front of the screw hole