Hydro Jet Terminal for H.P. Wash-Bay Plants

Operator's manual

Rev. 1.03

HYDRO JET S
in-wall mount

HYDRO JET S
wall mount

HYDRO JET S
(with display)

HYDRO JET

User Manual

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STORICO REVISIONI			
Revisione n°	Data	Modifica	Note
1.00	03.08.12	Creazione	
1.01	12.10.12	Hopper S11 invece di HopperOne	
1.02	07.03.13	8° Programma, Scheda Servo, Comando combinatorio relays	Scheda Servo solo opzionale
1.03	22.07.15	Nuovo frontespizio	

Dear Customer,

we would like to thank you and congratulate for your choice. We trust that you will appreciate the quality and performance of our HYDRO JET control station.
This machine operates by cctalk protocol, the well-established serial communication mode that provides security and precision.

Please pay careful attention to the information highlighted by the following signs:

⚠️   IMPORTANT NOTICE REGARDING THE OPERATOR'S SAFETY AND THE PROPER FUNCTIONING OF THE EQUIPMENT.

⚡   IMPORTANT NOTICE REGARDING DANGERS AND RISKS DUE TO ELECTRICITY.

♨️   IMPORTANT NOTICE REGARDING DANGERS AND RISKS DUE TO HIGH GEMPERATURES.

☞   GENERAL INFORMATION.

> *Please read carefully this handbook, to obtain the most from your HYDROJET Station*

1. Package content

The package contains:
1. The Alberici HYDRO JET Control Station for H.P. Wash-Bay Plants
2. One pair of safety keys
3. User manual (this manual)
4. Possible options (cfr. page 8)

This product has been packed with the utmost care. If you receive it damaged or incomplete, please notify immediately your findings to the Carrier, and collect it only under conditional signature.

The packing material, wooden pallets included, must be disposed off according to your Country laws and regulations. The product itself, once dismissed, must be disposed off according to the same laws and regulations.

2. Product description

2.1 Intended use

The HYDRO JET equipment allows payment for and activation of 8 self-service washing programs. It is ideal for high pressure Wash-Bay plants. It is designed for outdoor installation and functioning, without direct exposure to weather conditions. It is recommended that it is sheltered from both rain/hail and sun rays.
It is available with floor-stand, for wall-mount, and for in-wall embedding.

This equipment has been certified IP54. However, it is always advisable to install it in a position conveniently protected against bad weather and strong light.

2.2   Available functions

- Activation of one or more among the 8 programs provided.
- Accounts control on display (only through buttons on the board, or by remote keypad)
- Free custom-configuration (only through buttons on the board, or by remote keypad)
- Interactive User Menu; the User can switch to his preferred language among 5 available

2.3   General Data

Classification:	Class I equipment (CEI EN 60335-1), Category IV (CEI EN 55014-2)
Protection degree:	IP 54 min. (EN 60529)
Overall dimensions:	400 mm (l) x 755 mm (h - 1630 with floor-stand) x 270 mm (p)
Weight (options not considered):	30 Kg (wall-mount) - 48 Kg (with floor-stand)
Power supply:	24 Vac - 50 Hz
Nominal power:	12 W (0,5 A)
Peak power:	20 W (0,8 A)
Operating temperature:	-10°C ÷ +50°C
Operating humidity conditions:	- 10% ÷ 90% non-condensed
Installation:	Wall-mount, or embedded into wall (blind niche or open cut-out), or on floor-stand.
System components:	
Power supply box	Power switching 280 W con filtro antidisturbi, e ventilato
Control board	Alberici HYDRO JET ccTalk v. 1.02
Scheda Relé di interfaccia	Alberici 8PR, corrente ai contatti dei relé 3 A nominali
Display	LCD blu 2 x 16 *Only in HYDRO JET S: 8 blue LCD functional displays 2 x 16, one for each program button*
Coin acceptor	AL66SC waterproof
RFID keys cashless reader	Alberici ACS Mifare®

☞ Default currency is the Euro. Please ask in advance for different needs.

2.4   Reference Norms

Development, design and production have been made according to the following EU regulations:

1998/37/CE	On equipments
2004/108/CE (ex 89/336/CEE)	EM compatibility
2006/95/CE (ex 73/23/CEE)	Low voltage equipments
CEI EN 60335	Safety of Electrical equipment
CEI EN 60529	IP Protection

2.5   Warning

- Comply with the instructions in this manual
- Switch power off before any maintenance operation
- Use only within the recommended temperature/humidity range
- Do not expose the machine to direct sun light or to incandescent light (> 3000 Lux)
- Do not use the machine when the ambient temperature and humidity are not within the recommended Operational range
- When in presence of car exhaust gas or smoke, clean and check the components regularly and frequently.
- Do not favour contact with dusts or chemical moisture or sprays, water or other liquids
- Instal indoor
- Wipe clean by a dry piece of cloth (or slightly wet with alcohol)
- Do not use thinners or organic solvents
- Attenersi alle istruzioni del presente manuale.

3. Reception and Handling

Dopo il collaudo, l'apparecchio e i suoi accessori vengono accuratamente imballati e chiusi in involucri di cartone.
Le scatole in cartone vengono poi poggiate su un bancale in legno, per ridurre al minimo i rischi di urti e colpi durante le operazioni di carico, trasporto, trasbordo, e scarico.

3.1 Ricevimento

Al ricevimento, impiegare un carrello elevatore o un transpallet manuale per spostare i colli.

Prima di firmare il documento di ritiro, aprire l'imballo e verificare se il prodotto è stato danneggiato nel trasporto, o se presenta altre anomalie. In tal caso segnalatelo immediatamente allo spedizioniere, facendogli trascrivere il reclamo sul documento di ricezione, prima di apporvi la vostra firma.

Nel caso sia necessario stivare l'apparecchio prima dell'installazione, abbiate cura di conservarlo all'interno del suo imballo, in un ambiente chiuso e comunque al riparo dagli agenti atmosferici.

3.2 Apertura dell'imballo

E' consigliabile sballare la macchina presso il luogo in cui deve essere installata.

Tagliare le reggette di contenimento (attenzione all' "effetto frusta"), se presenti, e quindi togliere i nylon e le pellicole protettive.

Estrarre i punti di graffatura, e aprire la scatola di cartone. L'apparecchio è bloccato, all'interno dell'involucro, da distanziali posizionati su ciascuno spigolo; c'è quindi un'intercapedine di ca. 5 cm fra le lamiere e l'imballo. Fare comunque attenzione a non graffiare le superfici della macchina con gli eventuali arnesi utilizzati.
Estrarre il prodotto con attenzione, e posizionarlo in verticale.

Tutto il materiale d'imballo, incluso il bancale in legno, deve essere riciclato o smaltito in conformità alle leggi vigenti.

4.   Parts Denomination

EXTERNAL VIEW

Main Display

Cashless RFID reader for keys

Program 1 pushbutton

Programs 2-8 pushbutton and (*only in HYDROJET 'S'*) functional displays

Safety lock

Coin / token entry

Coin/token return

AA-0120 Floor-stand Hydro Jet

AA-0123 Frame for in-wall embedding (blind niche)

AA-0124 Frame for through-wall mount (open cut-out)

AA-0121 Frame for wall-mount

AA-0122 Wall-housing for cables Hydro Jet

INSIDE VIEW

POS.	PART REF.	DESCRIPTION
A	**SH-1I21-000T**	Hydro Jet pcb, wet-proof
B	S-020901-120	8PR HJ board, wet-proof
C	C-0701013-000	Safety lock
D	GE-66SC-000T	AL66S ccTalk, modifiable
E	CH-BC00	ACS RFID cashless reader
F	PL-MD0T-000H	8 x Vandal-proof pushbuttons, RGB 12V
G	SH-3031-000T	Functional Display DSOne blue with wet-proof pcb (ONLY 'S' TYPE)
H	INTER-001	Main switch, 4 A
I	SH-40AN	Servo board 12Vdc (please see page 14 for wiring) for coin signal

5. Dimensions

On floor-stand:

Wall-mount:

In-wall or Through-wall mount:

All measures in mm.

6.   Installation

6.1   Cautions and dangers when installing

☞   **The unit must be installed by qualified technicians, skilled in handling, preparation and mounting, electric connections, and start-up.**

⚠   **Handle the equipment safely. Make use of safety gloves and shoes. Take care of stability, to prevent any risk of danger to people.**

⚡   **Even though power supply is 24Vac, keep it disconnected during installation and any further maintenance or servicing.**

⚠   **Do not modify the circuits in the unit. Any change could impair the correct functioning of the safety circuits.**

⚡   **The power line must comply with the Norm CEI 64-8/7.**
In particolare il conduttore di messa a terra deve essere inderogabilmente conforme alle prescrizioni, e comunque avere sezione non inferiore ai limiti stabiliti dalla norma CEI 64-8/4.
Si raccomanda di porre la linea sotto la protezione di un interruttore differenziale da 10A , per poter agevolmente togliere l'alimentazione caso di operazioni di manutenzione.

6.2   Mounting

The equipment has been certified as IP54 protection degree. However, it is recommended to instal it away from direct weather agents as rain/hail and sunlight..

6.2.1   Wall-mount fixation:

⚠   **IMPORTANT!**   *IT IS ESSENTIAL THAT THE WALL IS SOLID ENOUGH TO SUPPORT THE HANGING WEIGHT OF THE UNIT.*

The dedicated frame (codice AA-0121) must be used to fix the Hydro Jet cabinet to the wall.

Prepare the wall outlet of the cables corresponding to the frame slant side.
If the cables can be brough only form underneath, it is recommended that you make use of the optional housing for cables (ref. nr. AA-0122, height 830 mm).

Tale the following steps:
1) *Fasten the frame to the wall by fischer-bolts, through the 6 x Φ10 mm bores (X).*
2) *Slip the cables through the Φ34 hole in the frame, then through the Φ22 bush in the unit. Fasten the cabinet to the 4 (Y) studs, and tighten the M8 nuts and washers.*
3) *See § 6.2.2.1 for electrical connections.*
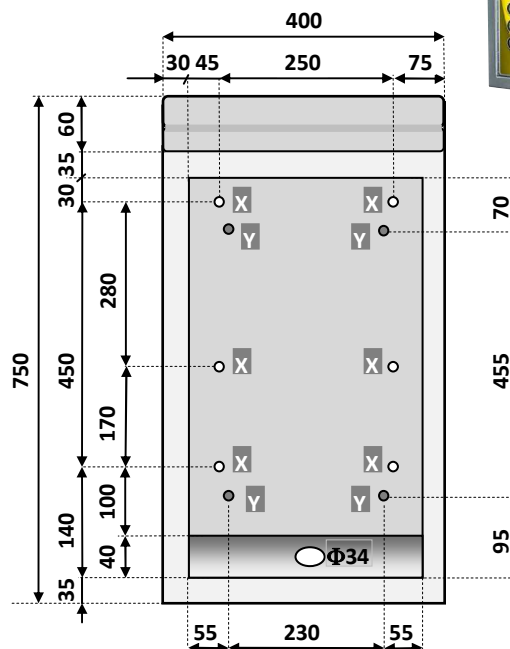
Montaggio della colonna copri-cavi AA-0122:

Quando i cablaggi dell'alimentazione per la Hydro Jet appesa a parete provengono dal basso, si può utilizzare questo accessorio per nascondere i cablaggi alla vista.

La colonna è alta 830 mm, quindi è bene che la macchina sia fissata al muro in modo che il suo profilo inferiore collimi a filo di tale altezza.
E' quindi consigliabile montare prima la colonna e in seguito la macchina.

Procedere nel modo seguente:

1) *Svitare le 5 + 5 viti laterali Z, ed estrarre il carter.*
2) *Posizionare il telaio, e segnare le posizioni dei sei punti di fissaggio X a parete.*
3) *Forare in corrispondenza dei punti X e predisporre i tasselli nei fori.*
4) *Fissare la colonna al muro attraverso i fori X.*
5) *Far risalire i cablaggi attraverso il foro H.*
6) *Rimettere il carter, e fermarlo con le 5 + 5 viti Z.*
7) *Prima di montare il telaio della macchina al muro, introdurvi il cablaggio.*
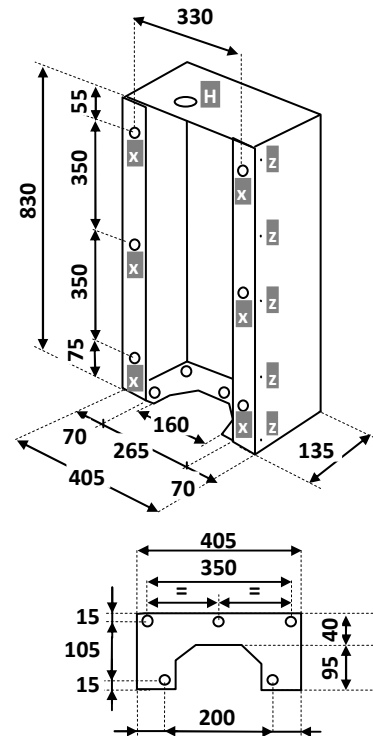
6.2.2 Montaggio ad incasso su muro con foro cieco:

IMPORTANTE! **E' INDISPENSABILE** *CHE LA PARETE SIA SOLIDA A SUFFICIENZA PER SOSTENERE SENZA PERICOLO IL PESO DELLA MACCHINA*

Il mobile Hydro Jet si monta all'interno del muro mediante l'apposito telaio (codice AA-0123).

Il foro deve avere le seguenti dimensioni:

Predisporre l'uscita del cavo di alimentazione dalla parete in corrispondenza della parte obliqua del telaio.

Procedere nel modo seguente:
1) *fissare il telaio al muro con robusti tasselli a espansione, attraverso i fori X di Φ10 mm*
2) *far passare i cavi dentro il foro Φ34 del telaio e poi nella boccola Φ22 dell'apparecchio; quindi, ancorare quest'ultimo alle 4 viti prigioniere Y, e stringere a fondo i relativi dadi M8 e rondelle.*
3) *Per l'allacciamento, vedere § 6.2.2.1.*

6.2.3   Montaggio ad incasso su muro o pannello con foro aperto:

IMPORTANTE!   *E' INDISPENSABILE* CHE LA PARETE SIA SOLIDA A SUFFICIENZA PER SOSTENERE SENZA PERICOLO IL PESO DELLA MACCHINA
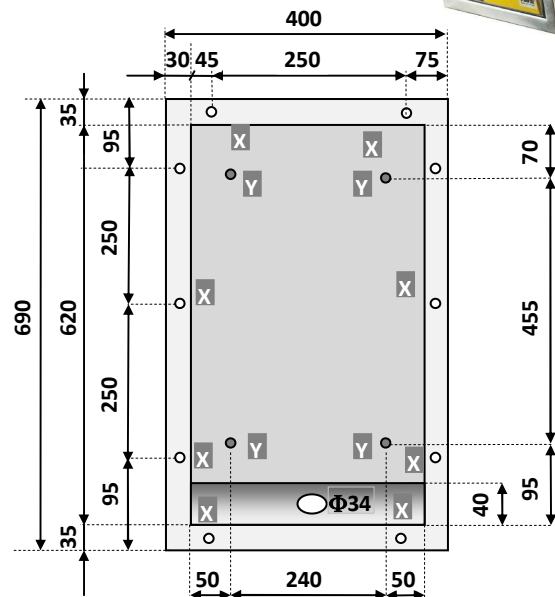
Il mobile Hydro Jet si monta all'interno del muro mediante l'apposito telaio a cornice (codice AA-0124).

Predisporre l'arrivo del cavo di alimentazione dal basso, in corrispondenza della parte obliqua del telaio.

Procedere nel modo seguente:
1) *Forare il muro in corrispondenza dei 10 fori X esistenti sul telaio a cornice.*
2) *Predisporre in ogni foro della faccia posteriore della cornice dell'Hydro Jet una barra filettata M8, di lunghezza pari allo spessore della parete, maggiorata di almeno 20 mm. Posizionare la macchina, infilare dal retro il telaio a cornice sulle barre filettate, e bloccare l'insieme "a panino", stringendo a fondo i relativi dadi M8 e rondelle (cfr. figura sotto).*
3) *Far passare i cavi dentro la boccola Φ26 situata sul lato obliquo dell'apparecchio; per l'allacciamento, vedere § 5.3.*
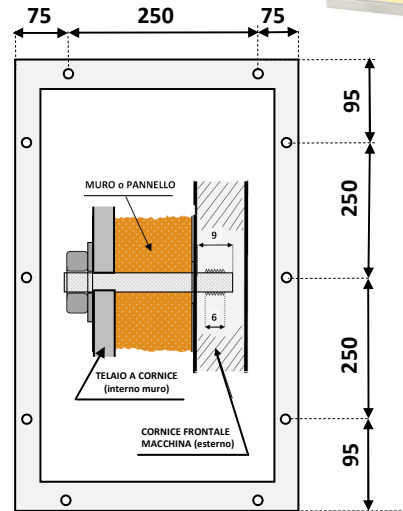
### 6.2.4   Montaggio su piedistallo:

IMPORTANTE!   *Assicurarsi che la superficie di sostegno sia adeguata a portare il peso dell'apparecchio e del piedistallo, e che sia perfettamente piana ed orizzontale.*

Il piedistallo si fissa al suolo tramite i fori integrati nel suo piede d'appoggio

Procedere nel modo seguente:
1) *Verificare che il piano di appoggio del piedistallo sia a livello.*
2) *Predisporre l'uscita dei cavi all'interno del foro 180x110 (A in figura).*
3) *Togliere il pannello anteriore.*
4) *Posizionare il piedistallo e segnare dove praticare i fori Z.*
5) *Rimuovere il piedistallo, perforare il pavimento e inserire i tasselli.*
6) *Riposizionare il piedistallo. Se necessario interporre delle rondelle di spessoramento o dei distanziali fra la base e il suolo.*
7) *Fissare saldamente il piedistallo con dadi M8 e relative rondelle.*
8) *Far passare il cavo di alimentazione nella nicchia superiore.*
9) *Chiudere il pannello.*
10) *Far passare il cavo nella boccola Φ22 dell'Hydro Jet, quindi ancorare quest'ultimo, come già spiegato in 6.2.1, alle 4 viti prigioniere Y, e stringere a fondo i relativi dadi M8 e rondelle.*
11) *Per l'allacciamento elettrico, vedere § 5.3.*
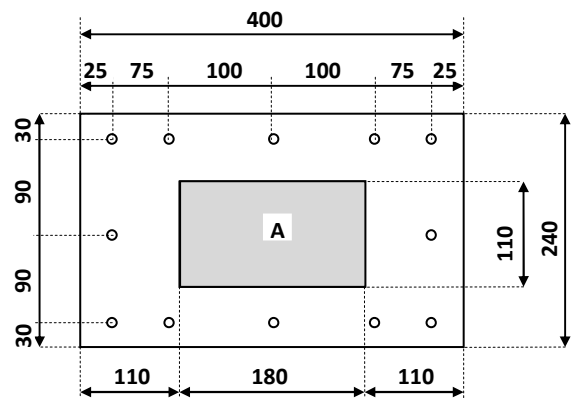
6.2.2.1 Electrical connections

⚠️ **The power line must be disconected during installation.**

Voltage supply is required to be 24 Vac. Always use a Φ 4 mm Ground wire.

Please notice: the equipotential electronic Ground must not be connected to the Earth.
It is advised to shield the cables to the wash-bay, to prevent possible interferences from the power wires.

👉 *Power capacity of each relay is 3 A nominal.*

LAYING THE CABLES: slip all the cables in the machine, through the bush located in the machine bottom slant side.

POWER SUPPLY CABLE 24 Vac: connect the 24 Vac cable to the upper clamps of the Master switch (see picture aside).
Power will go through to the 8PR board (J20 socket) only when the master toggle is pulled up.
Two 4A fuses protect the unit. They are located under the black clips at the right side of the main switch.

ACTIVATION LINES (from RL 1 to 8): activation cables to the Wash-Bay equipments can be connected directly to the relays output connectors of the 8PR board, or bridging them through the light brown screw-clamps in a row underneath (see page 15).

GROUND CABLE:

The ground cable must be connected to the yellow-green clamp.

~ 24 V

⏚ **GND**

BOARDS:

All the cables connecting the boards between each other are already connected.
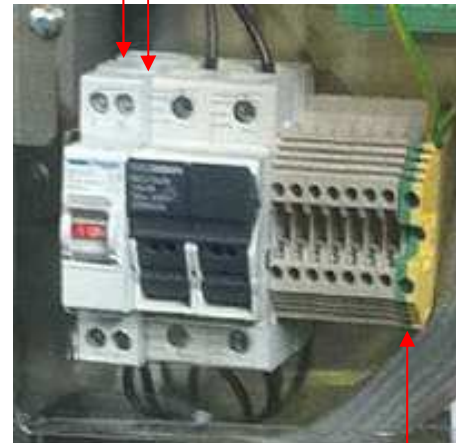
OK = confirm selected value

+/- = menu navigation; modify values

REG = display light trimmer
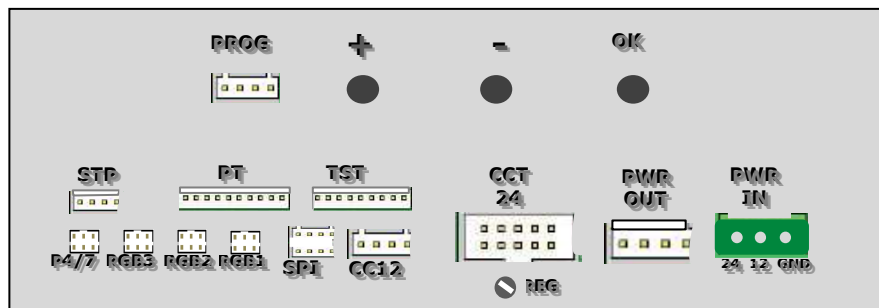
CC12	Pin 1. DATA Pin 2. GND Pin 3. NC Pin 4. +12 V Pin 4. +24 V	[AL66 COIN ACCEPTOR] [and to 8PR board]
RGB 1, 2	Pin 1. MICRO N.O. Pin 2. LED R (red) Pin 3. +12V Pin 4. LED B (blue) Pin 5. GND Pin 6. LED G (green)	[RGB LUMINESCENT PUSHBUTTONS]
RGB 3	Pin 1. MICRO N.O. Pin 2. LED R (red) Pin 3. +12V Pin 4. LED B (blue) Pin 5. GND Pin 6. LED G (green)	[SERVO PRE-SWITCHING BOARD]
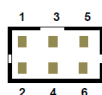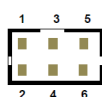
PRE-SWITCHING BOARD (OPTION):

If your system requires to receive a pre-switching signal when one coin / token has been accepted, connect the output of the "Servo" pre-switching board to the washing system central box, according to the diagram below.
To reach the 8PR board, remove the two Phillips screws that keep the protection plexy.

J3 = +12Vdc IN
(from P3 socket in main control board)

Pre-switching signal to the central box of the washing system (coin accepted)

+12Vdc
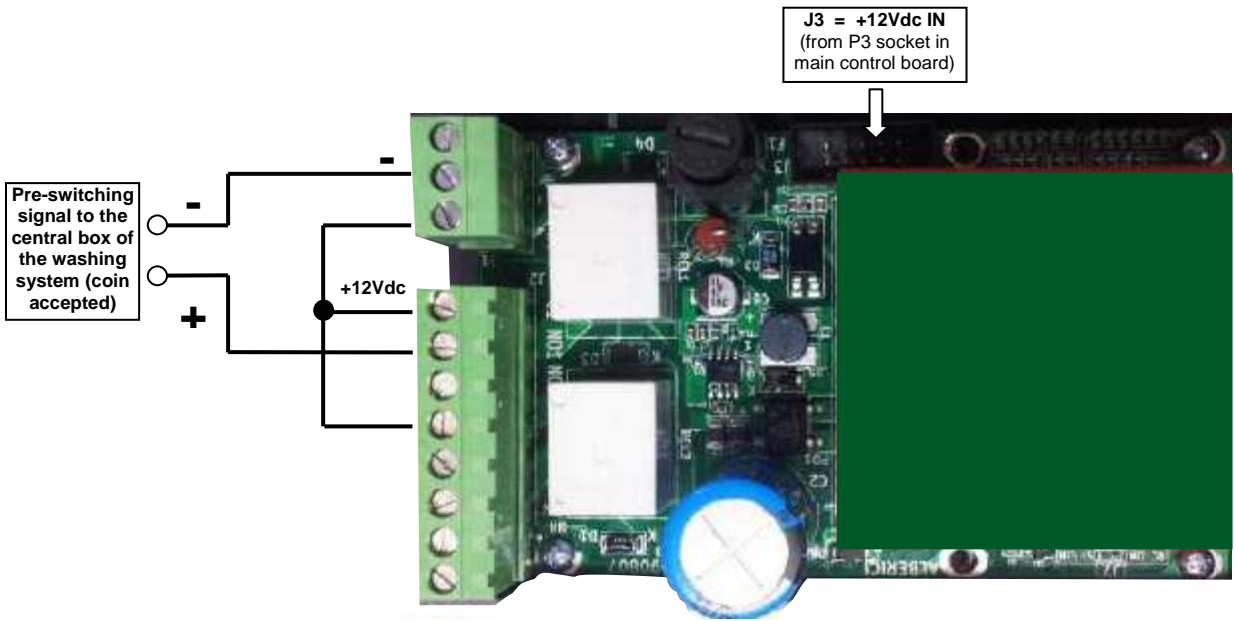
CONNECTION TO THE WASH-BAY EQUIPMENTS:

The wirings to the Wash-Bay system must be connected to the relays on the 8PR interface board (rear wall of the Hydro jet unit): connect one relay for each available program (No. 01 – No. 08) and the common GND wire (COM). Power capacity of each relay is 3 A nominal.
To reach the 8PR board, remove the two Phillips screws that hold the protection plexy.

COM = COMMON for N.O. (normally open) Outputs relays 1-8

Gnd 1 = COMMON (-) for inputs IN1, IN2, IN3, IN4, IN5

Gnd 2 = COMMON (-) for inputs IN6, IN7, IN8
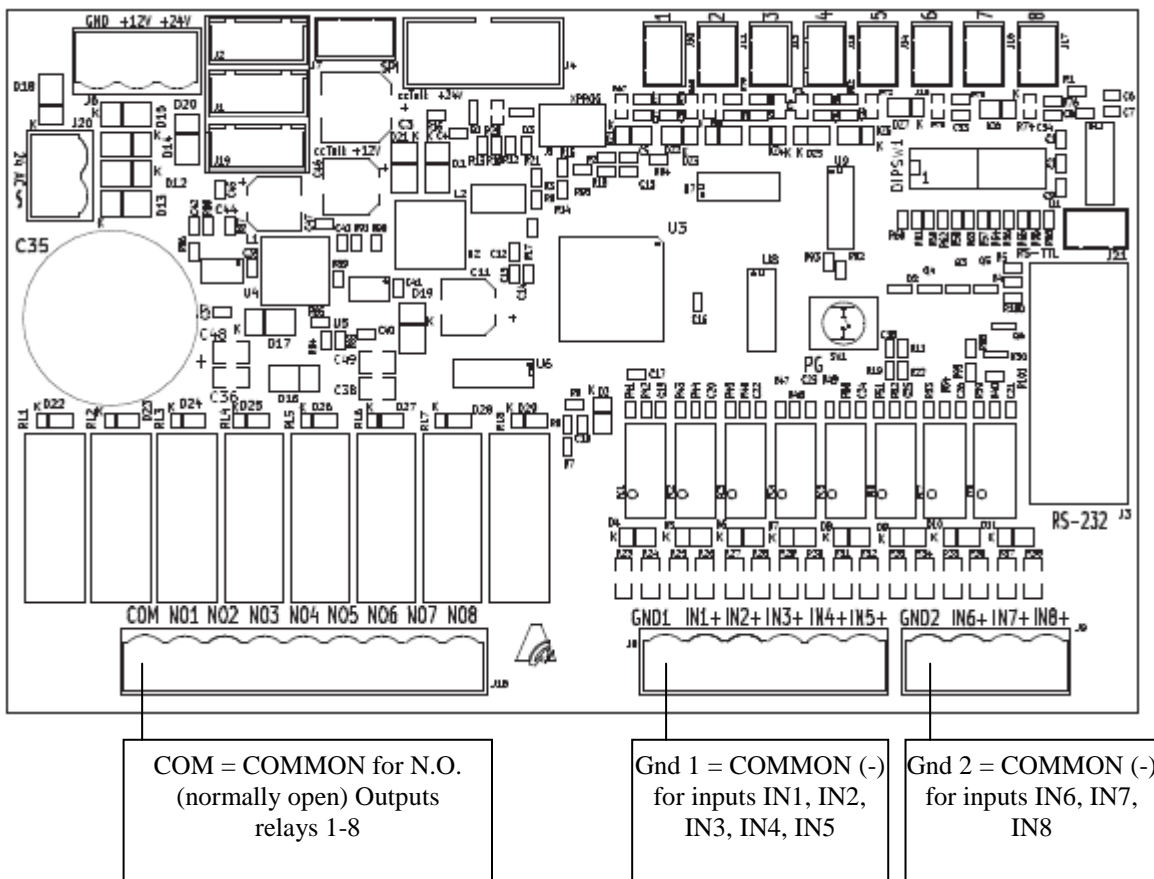
Output clamps (N.O. Relays)

Output	Description	Output	Description
NO1	Normally open contact Relay 1	NO5	Normally open contact Relay 5
NO2	Normally open contact Relay 2	NO6	Normally open contact Relay 6
NO3	Normally open contact Relay 3	NO7	Normally open contact Relay 7
NO4	Normally open contact Relay 4	NO8	Normally open contact Relay 8

The relays can be used for direct activation (1 program = 1 relay), or for combined activation (1 program = more relays). The combinations can be set by the Menu: see *section 9.3.5.1 Programs setup***.**

All the relays share the same COMMON end (COM): take care that your wirings respect such condition!

WASH-BAYS WITH FEEDBACK SIGNAL:

Some types of Wash-Bays are able to transmit information about their operational status (i.e. 'out of service', 'in operation', 'in stand-by', 'foam missing' a.s.o.) to the self-service activation station. This is made by a 24V or 0V signal sent to the preset input contacts of the interface board. In such cases, the Hydro Jet can be made to react accordingly: i.e., it can disable payment acceptance if the Wash-Bay plant is out of service. If your Wash-Bay plant is capable to provide such feed-back, and you want to make use of it, please check in advance with the Alberici pre-sales Service whether the Hydro Jet supports the type of operation that you require. If your request complies with the implemented possibilities, it will be enough to set the Dip-Switches 3-4-5-6 (located on the 8PR interface board) according to the feedback type, as per chart below.

DS3	DS4	DS5	DS6	Type of feedback given by the Wash-Bay plant
OFF	OFF	ON	ON	X
ON	OFF	ON	ON	Y
OFF	ON	ON	ON	W
ON	ON	ON	ON	Z

7.   Switch-on

Turn on the equipment by pulling up the lever of the safety main switch: the ON sign will show up white on red background.

The unit will check the status of the components in the circuit. When the check ends, the display will show the stand-by message, that can be changed according to the Owner's wish (see sect. PROMO, in 9.3.9 Menu Functions):

HYDRO JET
Promo

shifting with:

11:28   12/12/12
Service Price   1.00 €
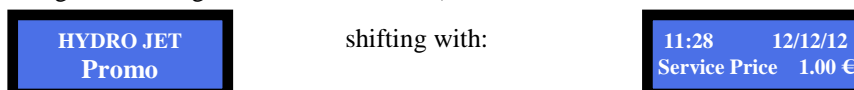
The pushbuttons will lit up in blue colour. The unit is ready for operation.

8.   Operation

⚠️   ***Never operate the unit when the door is open!!!***   ⚡

The unit works with coins and/or tokens, or with the RFID loyalty-key pre-loaded with credits. Pre-loading can be done by the Manager, or at a self-service charging station (DRY CHANGE), or on the unit itself (see sect. 8.2 a).
Only one common price can be set for any of the 8 programs. Common price and 8 individual times must be set as per instructions in ***9.3.5.1 Programs setup***.

Please note!   **IT IS NECESSARY TO SETUP THE NEEDED PROGRAMS**: IF A PROGRAM HAS NOT BEEN SET, THE PERTINENT PUSBUTTON WILL NOT LIT UP AND WILL NOT OPERATE. **Set the common price for all washing programs, as well as the individual timings for each of the 8 washing programs.**

When in stand-by, the pushbuttons of the programs lit up in blue colour. The Stop/Language pushbutton lits in green.

Only in HYDRO JET S: each program pushbutton in Hydro Jet S is matched to its individual display. It is necessary to set the writings ('labels') of each of the latter, in order to enable the program pushbutton to its function. To set the writings, see ***9.3.5.2 Set up label texts***.

8.1   Activation by coin acceptor

Insert as much money as the service price shown on the main display.
If the Hydro Jet is equipped with the pre-switching board option, the first accepted coin will start the relay of the "Servo" board (pulse length = 500 ms), so as to preset the washing system to receive the Program activation. Then the User will push any of the 8 pushbuttons, switching the relay(s) relevant to the corresponding line(s).
In case the pre-switching board option is not included, program lines will be activated without prior warning according to which one(s) the User will press, provided enough money has been introduced.

Therefore, if the inserted amount is sufficient, the following message appears:

Credit 1,00€		Credit 1,00€
Select…		**…your program**
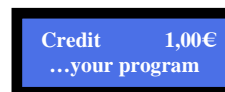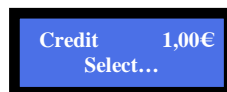
At the same time, the 8 program buttons lit up in green colour, while the Language choice button lits up in red.
Press the button of your choice (say, No. 3), that will start flashing in yellow colour. The unit will activate the relay No. 3 or the preset one(s), as per section ***9.3.5.1 Programs setup***. The relay(s) shall remain activated according to the peculiar programmed time (again see ***9.3.5.1 Programs setup***). The display shall show the count-down.

While any program is in progress, it is possible to start any different one: the first one will stop, and the second one shall last in proportion to the time remained.
For instance, let us suppose that Program 1 is 120 sec., and Program 2 lasts 30 seconds. If Program 1 gets activated, and after 60 seconds Program 2 is started , the second one will begin its countdown from 15 seconds.

It is advised that the price of the service is always set equal to the lower denomination accepted: i.e. if 0.50 €, 1.00 € and 2.00 € are set to be accepted, price for the service is best set to 0.50 €.
However, the Operator might want to set the price to 1.00 €. In this case, see "Insufficient credit" below.

Insufficient credit: this condition may occur if the system must accept denominations such as 0.50 €, 1.00 € and 2.00 €, and the price has been set to 1.00 € or 2.00 €.
Let us suppose price is set to 1.00, and the User
inserts 0.50 €.The message here beside will appear:

Insert credit

Even though the pre-switching option is included and operating (so that the coin signal has been sent to the washing system), the program pushbuttons will not lit up ready, until another 0.50 € are dropped in so as to top up the 1.00 €.

Excess credit: this condition may occur if the system must accept denominations such as 0.50 €, 1.00 € and 2.00 €, and the price has been set to 0.50 € or 1.00 €.
The unit cannot return any backchange, so it will automatically multiply the time preset for the chosen program by 2 (price= 0.50€, inserted 1.00€; or price=1.00, inserted 2.00€), or by 4 (price= 0.50€, inserted 2.00€)

8.2   Uso con Chiavetta

La HYDRO JET include di serie il sistema **Cashless** di lettura RFID per **chiavette fedeltà ACS**:
Inserendo la chiavetta, il display visualizza lo stato del credito disponibile. Sono possibili i due casi a) e b):

a)   Se il credito è insufficiente, compare il messaggio: `Inserire credito`

Inserire monete fino al raggiungimento del valore che si desidera caricare sulla chiavetta, e premere il tasto illuminato

in verde. Attendere che scompaia il messaggio: `Salvataggio in corso`

A questo punto, si illuminano di colore verde i tasti dei programmi attivabili con il credito ora disponibile. Estrarre la chiavetta, oppure premere il tasto del programma desiderato, e seguire le istruzioni che compaiono sul display.

b)   Se il credito è sufficiente, compare il messaggio: `Tasto verde per caricare credito`

e simultaneamente si illuminano di colore verde i tasti dei programmi attivabili con il credito disponibile.

Premere il tasto del programma desiderato, e seguire le istruzioni che compaiono sul display.

Se invece si desidera caricare la chiavetta nonostante si possieda sufficiente credito per attivare un servizio, introdurre

monete per l'importo che si desidera aggiungere al credito. Quindi, inserire la chiavetta. Il display invita alla scelta fra:

`Selezionare il programma`   `oppure`   `Tasto verde per caricare credito`

Premere il tasto "Cambio-lingua" (illuminato di verde, vicino alle bandierine) per trasferire credito sulla chiavetta.

Attendere che scompaia il messaggio: `Salvataggio in corso`

A questo punto, si illuminano di colore verde i tasti dei programmi attivabili con il credito ora disponibile. Estrarre la

chiavetta se si intendeva soltanto caricarla con credito, oppure premere il tasto del programma desiderato, e seguire le

istruzioni che compaiono sul display.

8.2.1 Management key (Master Key, and Service Key)

By introducing the Master Key or the Service Key, it is possible to get to the unit Service Menu.

By the Service menu, it is possible to 1) initialize the User Keys, and 2) check the Account Records. The Service Key allows to cancel the partial Accounts, the Master Key can cancel also the total amounts in the Account Records.

Insert Service Key ⟹ **Press Green Pushbutton** 👉 ◉ **ACCOUNT RECORDS** 👉 ◉ **INITIALIZATION KEYS**

👉 ◉ *4 secondi* 👉 ◉ *4 secondi*

Coins IN 0,00 € **Insert key**

👉 ◉ *Insert User empty key*

Coins OUT 0,00 € **DO NOT REMOVE THE KEY…..**

👉 ◉ *Wait……*

Cashless IN 0,00 € (*) **KEY INIZIALIZED!**

👉 ◉ *Remove initialized key*

Cashless OUT 0,00 € **Insert key**

👉 ◉ *Insert a new empty key, or (after 10 seconds):*

Program 1 0,00 €

👉 ◉ …. 👉 ◉ ⬇

Program 6 0,00 € *Uscita automatica*

👉 ◉

Residual Credit Paid: 0,00 €

👉 ◉

Cancel Partials 👉 ◉ **Confirm cancellation?**

⬇ *4 seconds*

Remove Service/Master Key 👉 ◉

⬇ **All Partials cancelled**

Automatic Exit ⬇

Automatic Exit

(*) If the key is damaged, the display will show: 'DISABLED KEY'

NOTICE:

ADDITIONALLY, WHEN INSERTING THE MASTER KEY (BLACK) IT IS POSSIBLE TO ACTIVATE ANY SERVICE FREE OF CHARGE. THIS IS NOT POSSIBLE WITH THE SERVICE KEY (WHITE OR YELLOW).

9.   Configuration

The HYDRO JET is delivered with the following default configuration:

Board Parameters	Service Price	= 1 €
AL66S [ccTalk] acceptor parameters	€ 0.50 - …. - € 2.00	= ENABLED
Programs time set-up	None	

If any variation is made, it will be possible to restore the default configuration as follows:
enter the initial menu, scroll by UP and DOWN keys and choose *RESTORE DEFAULT CONFIGURATION,*
then press OK: the message *DEFAULT CONFIG. RESTORED* will be displayed.

NOTICE: the *RESTORE DEFAULT CONFIGURATION* **command resets the default PIN code (0000)**

9.3 Menu Functions

9.3.1   SURF THE MENU

To enter the menu and navigate it, make use of the 3 keys located behind the board display.

OK   = confirm selected value

**+/-   = menu navigation;
          modify values**

REG = display light trimmer
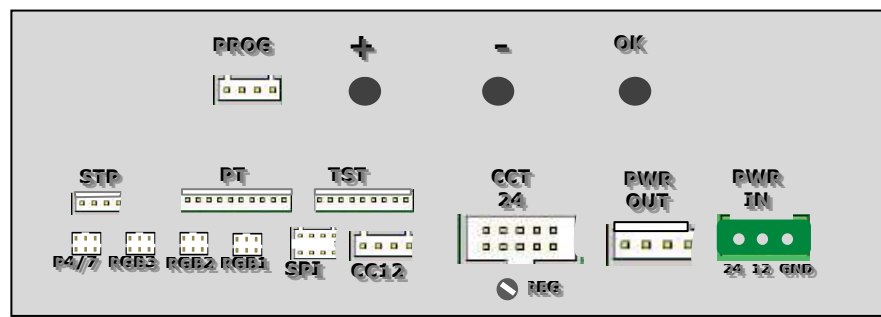
NOTE: to enter some menus, the PIN code will be requested.

9.3.2   MENU STRUCTURE
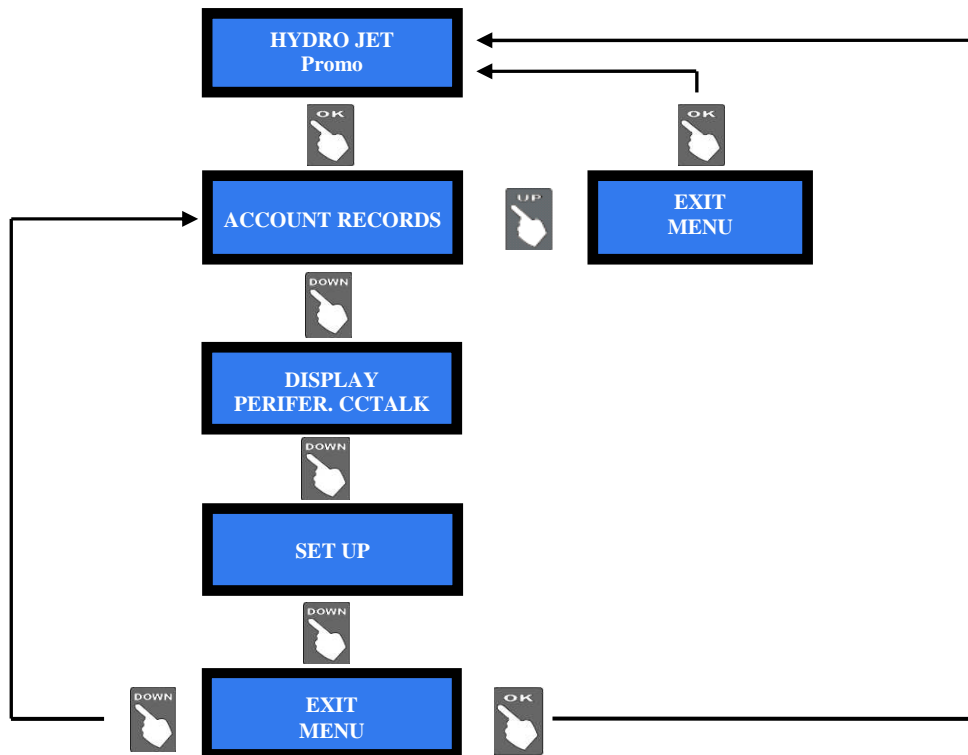
9.3.3   ACCOUNT RECORDS

This menu allows to:
- Check partials and totals, both cashed in and paid out;
- cancel the recorded total amounts (PIN code necessary);
- cancel the recorded partial amounts.
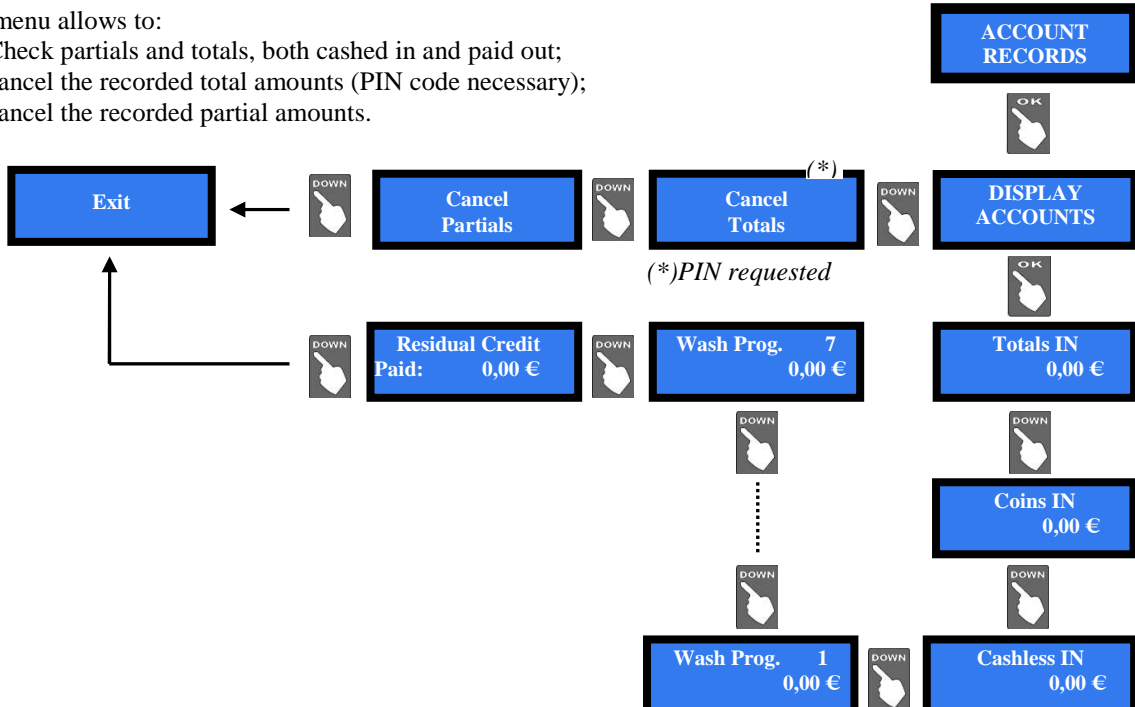
9.3.4   DISPLAY PERIPHERAL UNITS

This command allows to check the state of the components, for instance:

9.3.5 SET-UP

Questa sezione permette di:

- variare il prezzo del servizio, e la durata di ciascun programma;
- configurare la gettoniera (monete accettate);
- inizializzare le chiavette Cashless;
- configurare la scheda interfaccia 8PR per i comandi alla pista;
- impostare il codice macchina per renderla utilizzabile solo da chi ha chiavette associate al suo codice;
- scrivere un messaggio promozionale che appare quando la macchina è in stand-by;
- cambiare la lingua dei menu;
- modificare il PIN esistente;
- impostare data e ora;
- ripristinare le impostazioni di fabbrica.

(*) Available only in HYDRO JET 'S'

PIN code necessary

PIN code necessary

PIN code necessary

9.3.5.1 Programs Setup
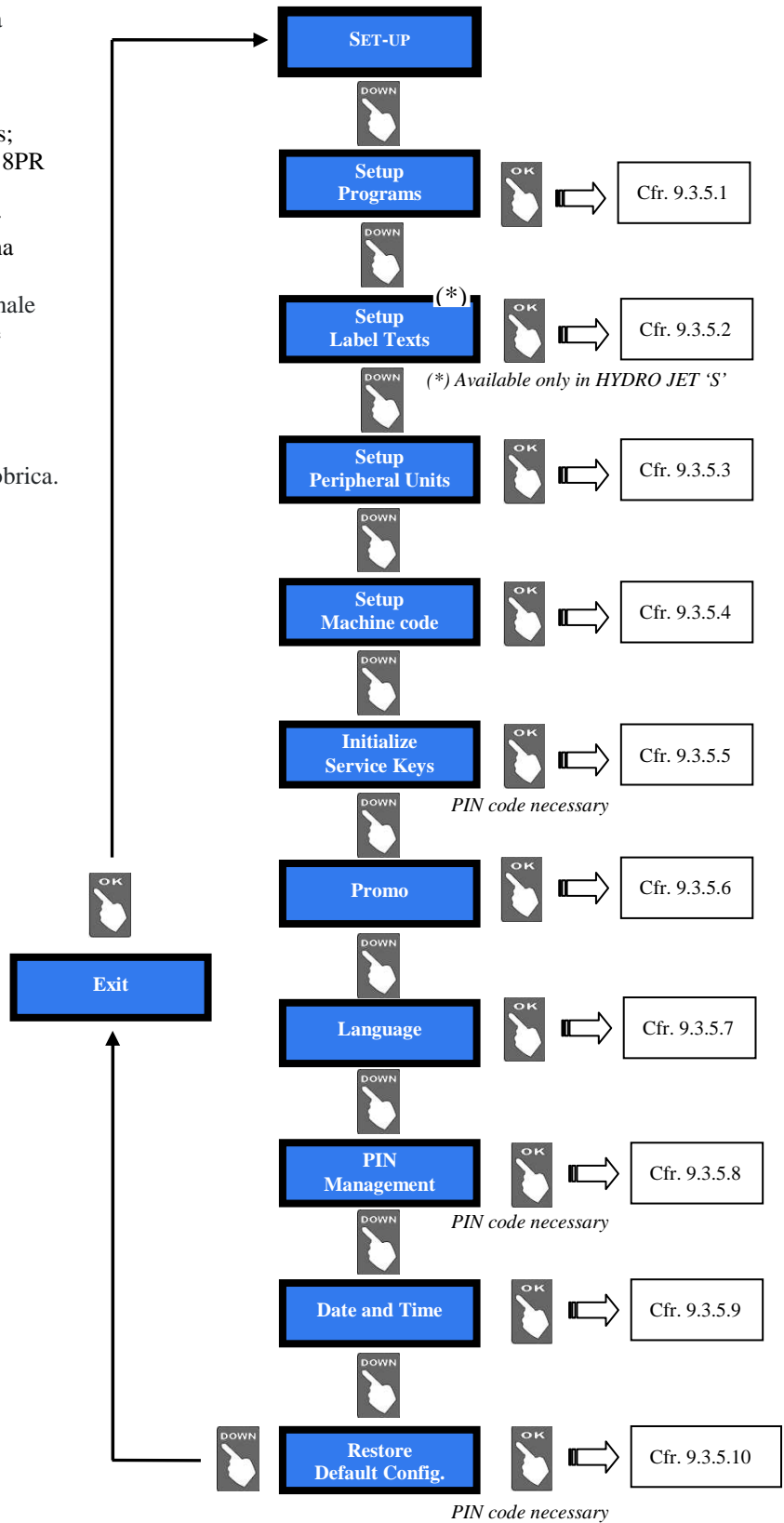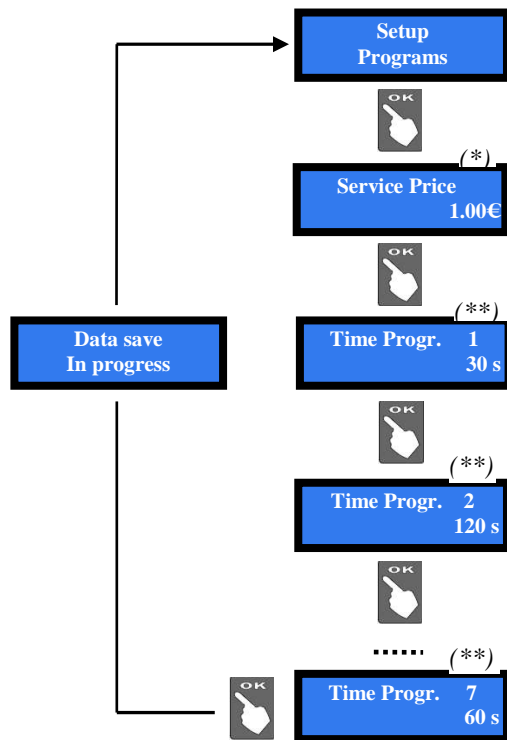
```
              ┌──────────────┐
         ┌───▶│   Setup      │
         │    │  Programs    │
         │    └──────┬───────┘
         │          OK
         │           │
         │    ┌──────▼───────┐  (*)
         │    │ Service Price│      (*) Use Down and Up to change the existing
         │    │        1.00€ │      price.  Increase or decrease by 0,05€ steps.
         │    └──────┬───────┘
         │          OK
         │           │
┌──────────────┐    ┌──────▼───────┐  (**)
│  Data save   │    │ Time Progr. 1│      (**)Use Down and Up to change the existing
│ In progress  │    │         30 s │      time. Hold Down or Up pressed until desired
└──────────────┘    └──────┬───────┘      time is obtained, then release.  Longest time
         │                OK               available is 900 seconds .
         │                 │
         │          ┌──────▼───────┐  (**)
         │          │ Time Progr. 2│
         │          │        120 s │
         │          └──────┬───────┘
         │                OK
         │                 │
         │          ······  (**)
         │          ┌──────▼───────┐
         │     OK   │ Time Progr. 7│
         └──────────│         60 s │
                    └──────────────┘
```

9.3.5.2 Setting the texts in the individual displays (HYDRO JET 'S' only)

The Hydro Jet S is equipped with one display for each program pushbutton. Such display can show the function / service performed by the relevant program. The description of the func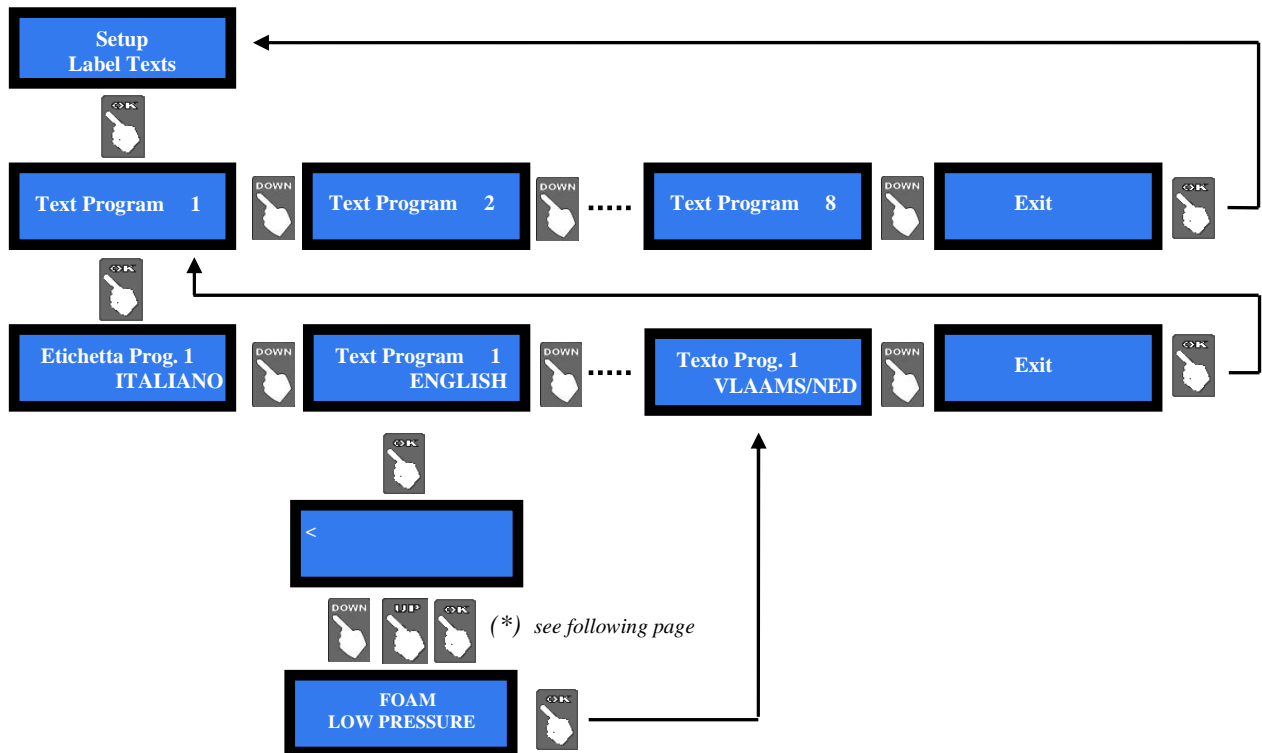tion / service can be set by the Operator at the time of installaion and also modified later, whenever he needs to do so. If the text is not set, the relevant pushbutton will be disabled. The display texts can be set following the menu steps shown here below:

```
┌──────────────┐
│    Setup     │◀──────────────────────────────────────────────────────────┐
│  Label Texts │                                                            │
└──────┬───────┘                                                            │
      OK                                                                    │
       │                                                                    │
┌──────▼───────┐ DOWN ┌──────────────┐ DOWN      ┌──────────────┐ DOWN ┌──────────┐ OK
│Text Program 1│─────▶│Text Program 2│─────·····─▶│Text Program 8│─────▶│  Exit    │──┘
└──────┬───────┘      └──────────────┘           └──────────────┘      └──────────┘
      OK
       │
┌──────▼─────────┐ DOWN ┌──────────────┐ DOWN     ┌──────────────┐ DOWN ┌──────────┐ OK
│Etichetta Prog.1│─────▶│Text Program 1│────·····─▶│Texto Prog. 1 │─────▶│  Exit    │──┐
│   ITALIANO     │      │   ENGLISH    │          │  VLAAMS/NED  │      └──────────┘  │
└──────┬─────────┘      └──────────────┘          └──────────────┘                     │
      OK                                                   ▲                            │
       │                                                   │                            │
┌──────▼───────┐                                           │                            │
│ <            │                                           │                            │
│              │                                           │                            │
└──────────────┘                                           │                            │
  DOWN  UP  OK   (*) see following page                    │                            │
       │                                                   │                            │
┌──────▼───────┐   OK                                      │                            │
│    FOAM      │──────────────────────────────────────────┘                            │
│ LOW PRESSURE │                                                                        │
└──────────────┘                                                                        │
```

(*) Use the Down and/or Up keys to choose the wanted letter/number, then press OK to confirm it. The cursor will then highlight the next character. Repeat such process until confirmation of the 32nd character: the unit will automatically store the inserted text, and will prompt the same text in a different language (ITALIANO, ENGLISH, DEUTSCH, FRANCAIS, CASTELLANO o NEDERLANDSE-VLAAMSE).
Once the text of Program 1 is in, go to Exit, press OK: "Text Program 1" shall appear again. This time press the DOWN key to display "Text Program 2": insert your text corresponding to Program 2, and so on until the text for Program 8 has been stored.

9.3.5.3 Setup peripheral units:
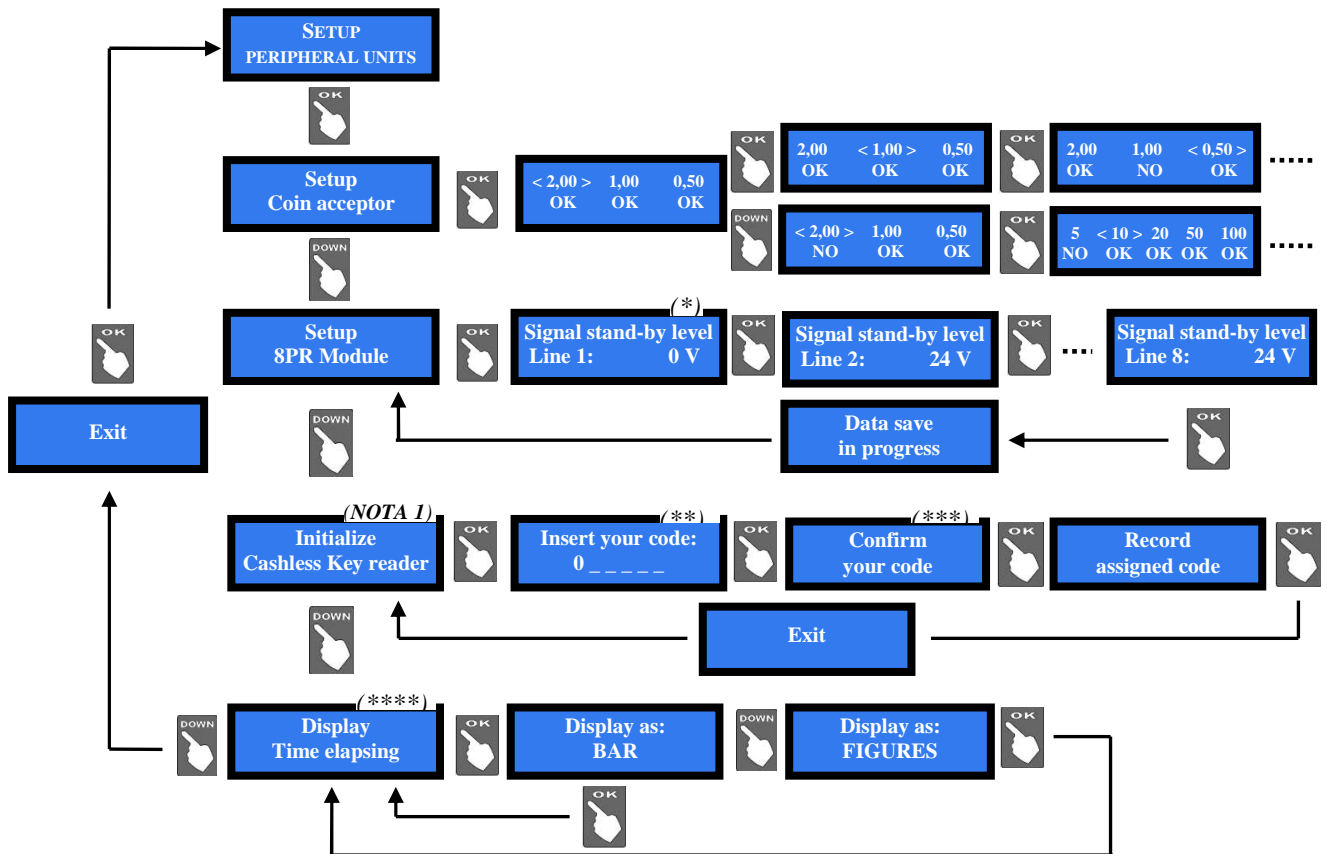
(*) This function can be used when the Wash-Bay provides a feedback signal concerning its state of service. In most cases, it is not used. If necessary, set the input signal level according to the Wash-Bay specs, choosing between: 0 e 24V.

(**) The code must contain 6 alphanumerical characters. Press OK, then use Down or Up to choose the character (confirm character < to cancel the last entered character). When confirming the 6ᵗʰ character, the display will prompt to confirm the entered code.

(***) If an arror is made, the following message will appear, **ERRORE! CONFERMA NON CORRETTA** *a after 3 seconds a new prompt to* **Insert Code** *will appear.* *.*

(****) The display can show the passing of time in figures ('TIME': ex. 10 sec.. 9 sec….. 8 sec…..7 sec…..), or in the form of a beam by and by shortening ('BAR').

NOTA 1: Cashless Key reader
If not initialized at the installation,the Key reader will carry on flash in red colour.

9.3.5.4 Impostazione codice macchina

Questo comando permette di far accedere ai servizi offerti dalla macchina unicamente le chiavette programmate con il suo codice macchina: utilizzare i tasti Down e Up per selezionare il codice (3 cifre numeriche, comprese fra 0 e 255) desiderato, che andrà poi memorizzato su tutte le chiavette, da programmare a banco, destinate all'uso sulla macchina.

| Impostazione Codice Macchina	👆 OK	Inserire Codice (0-255): 0	👆 OK

Codice = 0 : il sistema di associazione chiavetta-macchina non funzionerà, ovvero tutte le chiavette avranno accesso ai servizi offerti dall'apparecchio.

Codice = N : unicamente le chiavette programmate dal Gestore con il codice N avranno accesso ai servizi.

N.B.: la chiave Master, se ha codice = 0, ha l'accesso a tutte le macchine, sia che il codice macchina sia stato impostato, sia che non lo sia stato.

9.3.5.5 Inizializzazione chiavette di gestione
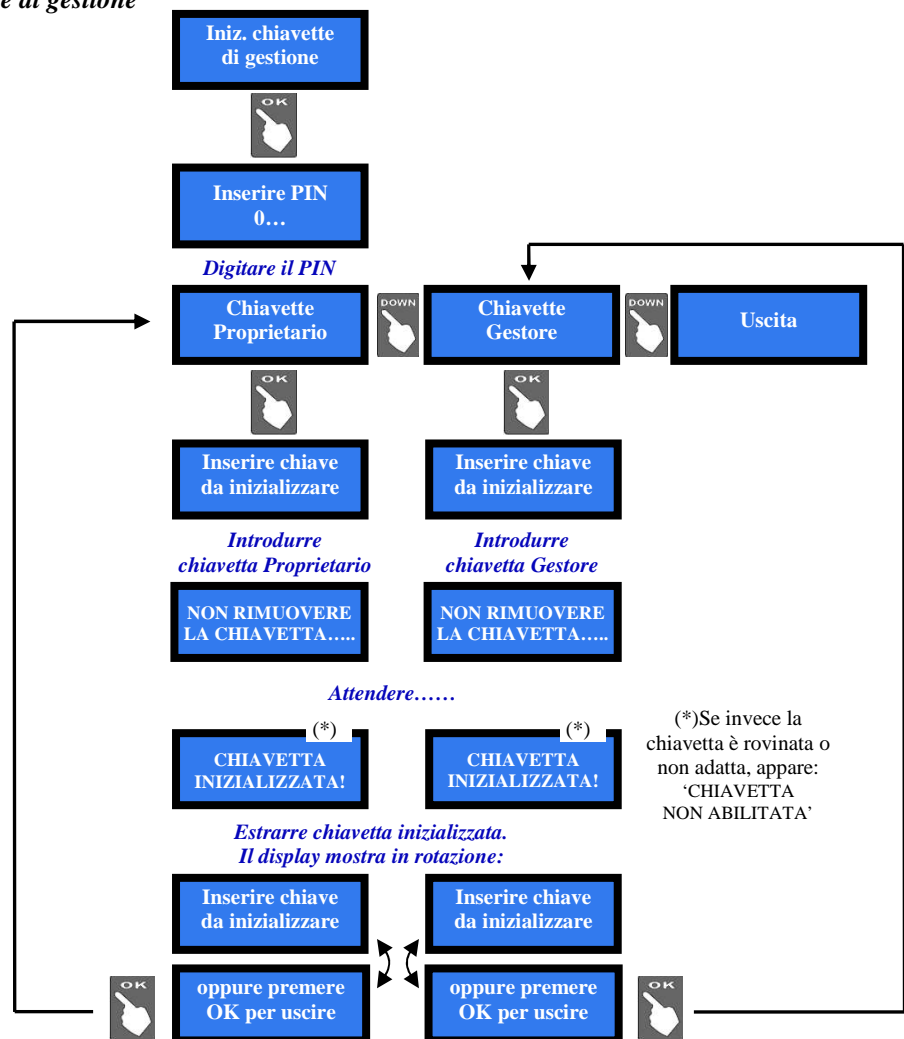
9.3.5.6 Promo

It is possible to preset an advertisment on the display. Press OK:

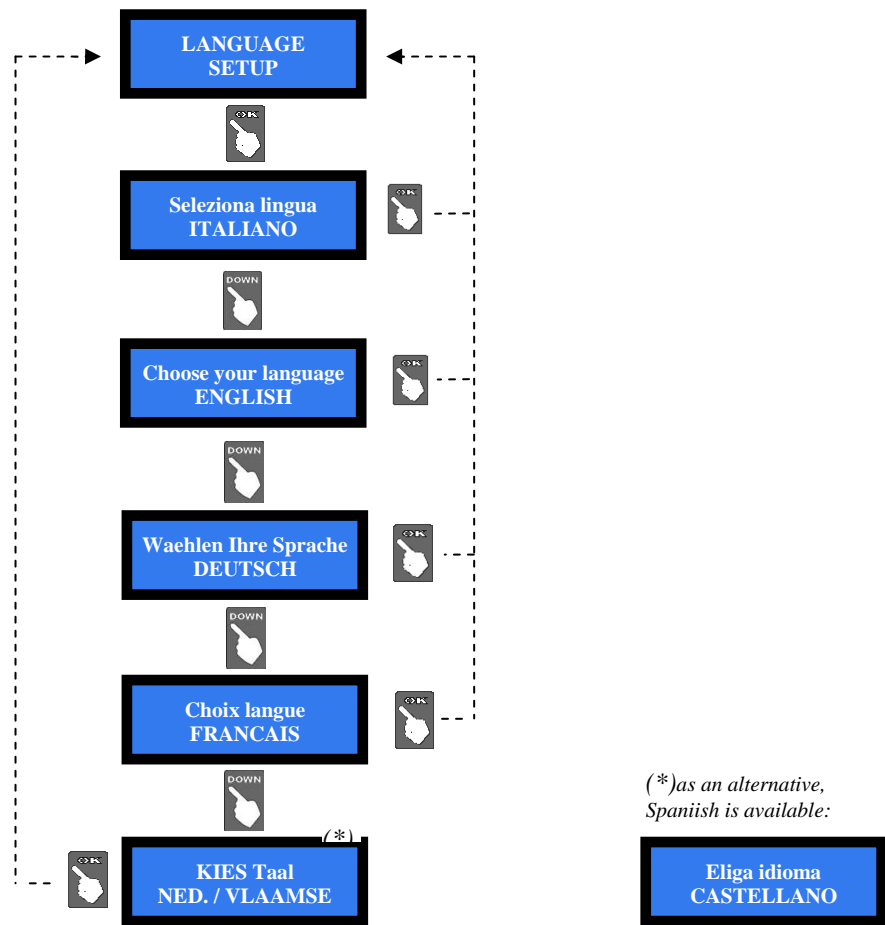| Digit text |
|---|
| ---------------------- |

Press again OK, the pointer will highlight the first digit: by UP or DOWN, choose the character that you want to insert, then confirm by OK. The pointer will highlight the following digit.

Once digit nr. 16 has been confirmed, the message gets stored.

To cancel the last entered character, choose character ' <' and confirm it by OK.

9.3.5.7 Language Setup

|	
LANGUAGE SETUP	
Seleziona lingua ITALIANO	
Choose your language ENGLISH	
Waehlen Ihre Sprache DEUTSCH	
Choix langue FRANCAIS	
KIES Taal NED. / VLAAMSE (*)	

(*)as an alternative, Spaniish is available:

Eliga idioma CASTELLANO

9.3.5.8 Modify PIN (original PIN will be requested)

The PIN code allows to get access to the discretional menus of the system.
The PIN code is made up by 4 figures (each of them from 0 to 9), so that there are 10,000 combinations available.
If the PIN code is not correct, the User is given another 4 tries before the board gets blocked-up by its security interlock.
The system can be started again by switching it off and on again.

<p align="center">ATTENTION: the default PIN code is 0000</p>

The settings in the following menus can be modified by using the PIN code:
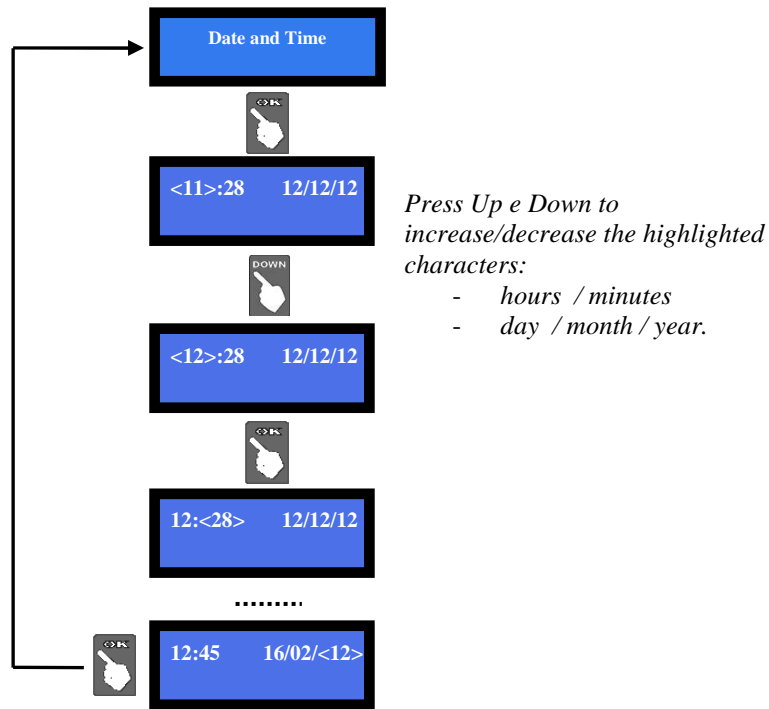MODIFY PIN - RESET ACCOUNTS - RESTORE DEFAULT CONFIGURATION

To modify the existing PIN, press OK, and digit the old PIN code: to digit each code figure, first use keys UP and DOWN to set each figure, then confirm it by OK. Once the 4th figure has been confirmed, confirm by OK the whole old PIN:

MODIFY PIN	Enter PIN 0	New PIN 0
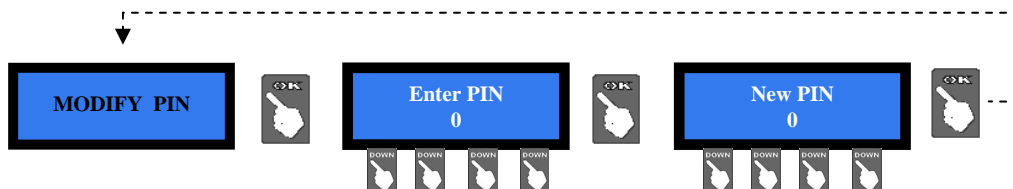
To digit the new PIN code, use first the UP and DOWN keys to set each figure, then confirm it by OK. Once the 4th figure has been confirmed, confirm by OK the whole new PIN.
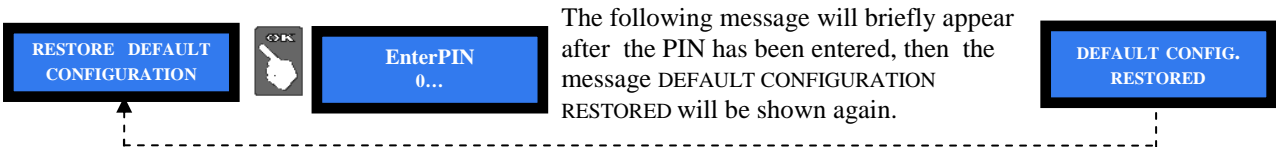As every single figure gets confirmed, an asterisk takes its place, so preserving secrecy.

NOTICE: when DEFAULT CONFIGURATION is restored, the PIN code gets reset to 0000.

9.3.5.9 Date and Time

Date and Time

<11>:28   12/12/12

Press Up e Down to increase/decrease the highlighted characters:
- *hours / minutes*
- *day / month / year.*

<12>:28   12/12/12

12:<28>   12/12/12

....

12:45   16/02/<12>

9.3.5.10 Restore Default Configuration *(original PIN will be requested)*

To use this sub-menu it is necessary to digit the PIN code.

RESTORE DEFAULT CONFIGURATION

EnterPIN
0...

The following message will briefly appear after the PIN has been entered, then the message DEFAULT CONFIGURATION RESTORED will be shown again.

DEFAULT CONFIG.
RESTORED

If a wrong number is inserted, the following message will appear:

PIN error

WARNING: in case of reset, the system sets back to default configuration. The PIN code will be reset to the default 0000 setting. Account records shall not be cancelled.

9.3.5.11 Exit

Press OK to go back to stand-by condition:

EXIT MENU

Exit Menu
in progress…

CHANGEONE
Promo

10.   Messages

10.1   Messages from the pushbuttons

The "User's Language" pushbutton (the one next to the flags) can lit up according to the following chart:

COLOUR	MODE	MEANING
Red	Flashing	Out of service
Red	Static	Disabled command
Green	Flashing	Change of language in progress

10.2   Messages on display

8.1.1   Faulty operation:

When this warning appears:

> **HYDRO JET
> OUT OF SERVICE**

please check the state of the Peripheral Units (INSPECT SYSTEM STATE):

> **COIN ACCEPTOR
> CONNECTED**

> **CASHLESS
> IN ERROR**

> **HOPPER N. 1
> DISCONNECTED**

The above messages mean that:
the coin acceptor is connected and functioning
there has been a problem with the cashless key reader
hopper n. 1 is disconnected, as is regular (no hoppers in Hydro Jet)

The following information can appear:

> **(PERIPHERAL UNIT)
> CONNECTED**
the named peripheral unit (coin acceptor, or cashless reader, or 8PR relay board, a.s.o.) is correctly operating

> **(PERIPHERAL UNIT)
> DISCONNECTED**
the named peripheral unit has not been detected

> **(PERIPHERAL UNIT)
> ERROR**
the named peripheral unit has been detected but there has been a malfunction

> **(PERIPHERAL UNIT)
> NOT SUPPORTED**
the named peripheral unit has been detected but it is not supported by the control board

> **COIN
> NOT ENABLED**
A disabled coin has been introduced, and rejected

10.3   Code RI (Control Board blocked)

The 'Code RI' message means that there has been an event that makes it wise to hold the EPROM from operating.
If and when it pops up, hold down the 3 OK, UP e DOWN keys at the same time for 5 seconds.
Such operation will reset the machine to its default configuration. It will then be necessary to re-program the setup according to the needs.
In case that the 'Code RI' message pops up again after releasing the 3 keys, it means that the EPROM has been damaged: it will be necessary to replace the board.

11. Maintenance and Cleaning

ATTENZIONE! Prima di eseguire qualsiasi operazione all'interno della macchina, togliere l'alimentazione elettrica. Ancor meglio, scollegare il cavo di alimentazione.

ATTENZIONE: non usare solventi organici (es. diluente, essenza di trementina, acido citrico o benzina), né all'interno né all'esterno dela macchina.

L'apparecchio è progettato per funzionare in ambienti esterni, ma non per essere esposto direttamente alle intemperie e a condizioni meteorologiche proibitive. Quindi abbiate cura di ripararlo dall'acqua, dalla grandine, e da liquidi in generale, così come dai raggi diretti del sole.

Superfici esterne: fare uso di uno straccio pulito imbevuto con acqua, o eventualmente di una soluzione di acqua e sapone neutro. Asciugare l'apparecchio.

Superfici interne: fare uso di uno straccio pulito, leggermente inumidito con acqua.
Componentistica: utilizzare aria compressa a bassa pressione (es. bombolette spray per tastiere di computer).

12.   Disposal of the product

	WARNING! DISPOSE OF ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY! **This equipment may not be treated as household waste. Instead, it must be handed over to the applicable collection point for the recycling of electric and electronic equipment. By ensuring that this product is dised of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.** **For more detailed information about recycling of this product, please contact the Dealer where you purchased this product.**

13.   Terms of Guarantee

The manufacturer will fix malfunctions arising from production faults in this machine or parts of it within 12 months from the date of sale.

All communications referring to guarantee repairs or replacements must be accompanied by the product serial number and the copy of the sale invoice.
To obtain your guarantee repair, please send the part to the Dealer where you purchased the machine, together with the following documents:
- copy of the sale invoice
- delivery note stating "returned for guarantee repair"
- detailed report of the problem found and the circumstances in which it occurs.

Before sending the product, please get in touch with your Dealer or with Alberici S.p.a. (+39 051 944300); very malfunctions can be fixed via a simple phone call, saving you costs and time.

Alberici S.p.a. will verify that warranty is applicable, i.e. that problem is not caused by:
- transport damages
- damages from incorrect installation or wrong configuration
- installation in premises or areas not complying with the prescribed safety requirements
- intentional or unwilled tampering
- wrong or careless use or maintenance
- non-compliance with precautions prescribed (see Chapter 4. Caution)
- natural disasters, vandalisms, intentional or unintentional damage

Guarantee is considered automatically expired if outer and inner labels are missing.

Transport costs of repaired products are at the Customer's charge.

14.   Customer Service

Alberici S.p.a. will be pleased to offer all the necessary information on use, ordinary maintenance and technical service.
Please call (+39) 051 944300 and specify if your request concerns information on use or technical support.

Alberici

DICHIARAZIONE DI CONFORMITÀ

C E

DIRETTIVA 2006/95/CE - DIRETTIVA 2004/108/CE

La ditta **Alberici S.p.A.**, avente sede in via **Guido Miglioli, 23, Zona Industriale, 40024 Castel San Pietro Terme (BO) – Italia,**

DICHIARA

Che il sistema classificato nella famiglia di prodotto **apparecchio elettrico d'uso domestico e similare – Sistema di gestione portali autolavaggi**, identificato univocamente da:

Modello	Configurazione	Tipo	N° di Serie e/o matricola
HYDROJET	☐ 01 (Hydrojet) ☐ S1 (Hydrojet S)	☐ **Da pavimento** ☐ **Da parete**	– – – – – – – – – – –

Essendo realizzato conformemente al modello campione denominato CM-IT in configurazione S1 (Hydrojet S) avente matricola n°CM-IT S10000 (prototipo), finito di testare positivamente ai fini EMC e LVD (rapporto 6240CM-IT S1.doc) il 02/07/2012, dalla STP S.r.l., con sede legale in via Cervese, 373, 47521 Cesena (FC), Italia e sede operativa in via San Donnino, 4, 40127 Bologna (BO), Italia, risulta essere conforme a quanto previsto dalle seguenti direttive comunitarie:

a) le norme armonizzate (per i punti applicabili):
   - CEI EN 55014-1 (CEI 110-1);
   - CEI EN 55014-2 (CEI 210-47);
   - CEI EN 55022 (CEI 110-5);
   - CEI EN 55024 (CEI 210-49);
   - CEI EN 60065 (CEI 92-1);
   - CEI EN 60335-1 (CEI 61-150);
   - CEI EN 60335-2-82 (CEI 61-226);
   - CEI EN 60950-1 (CEI 74-2);
   - CEI EN 61000-3-2 (CEI 110-31);
   - CEI EN 61000-3-3 (CEI 110-28);
   - CEI EN 61000-4-2 (CEI 210-34);
   - CEI EN 61000-4-3 (CEI 210-39);
   - CEI EN 61000-4-4 (CEI 210-35);
   - CEI EN 61000-4-5 (CEI 110-30);
   - CEI EN 61000-4-11 (CEI 110-29);
   - CEI EN 61000-6-1 (CEI 210-64);
   - CEI EN 62233 (CEI 61-251).

b) In conformità ai requisiti essenziali di sicurezza della Direttiva Bassa Tensione:
   - 2006/95/CE del 12 Dicembre 2006;
   - L. 791 del 18 Ottobre 1977 e s.m.

c) in conformità ai requisiti essenziali di sicurezza della Direttiva Compatibilità Elettromagnetica:
   - 2004/108/CE del 15 Dicembre 2004;
   - D.Lgs. 194 del 06 Novembre 2007.

Che conferiscono la presunzione di conformità alla Direttiva 2004/108/CE

Castel San Pietro Terme (BO), Italia lì, ___/___/_____

ALBERICI SPA
V. Miglioli 23
40024 CASTEL S. PIETRO TERME
Part. IVA 00627531205
Tel. 051/944300 Fax 051/944594

NOTA

La Alberici S.p.A. si riserva il diritto di apportare modifiche alle specifiche tecniche dell'apparecchiatura descritta in qualunque momento e senza preavviso, nell'ambito del perseguimento del miglioramento continuo del proprio prodotto.