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GK-7PLUS

CONSUMPTION CONTROLLER

SUPERVISOR AND USER MODE INSTRUCTION MANUAL

03.2014

CONTENT

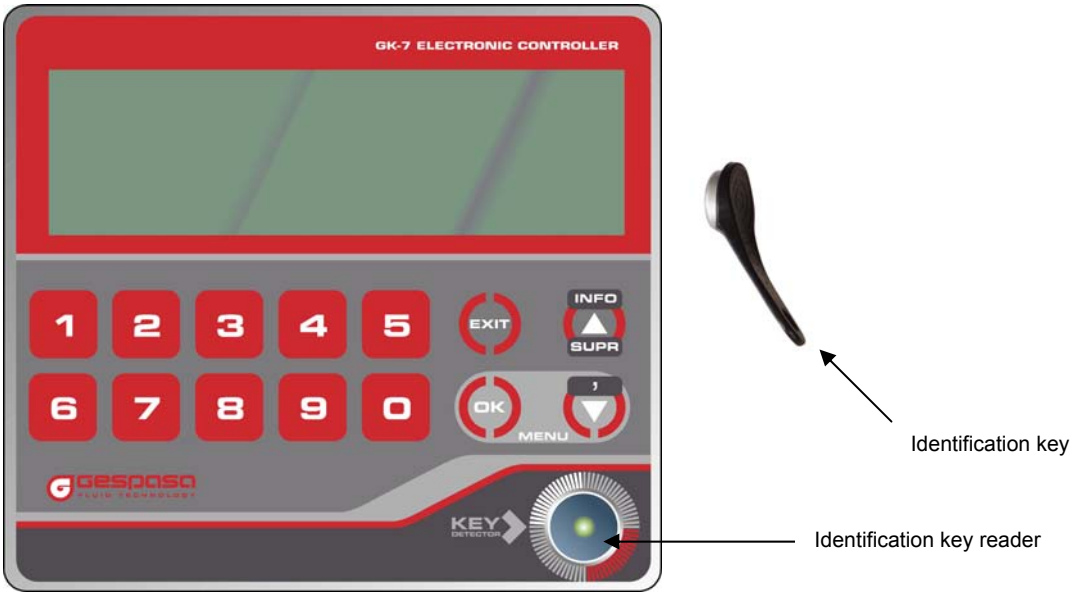
ATTENTION

The GK-7PLUS controllers belong to the GK-7 family controllers and are designed to automatically communicate M2M with the DieselPlus application.

The GK-7PLUS controllers are not able to work in autonomous way; they need the DieselPlus application in order to both manage the stored users and vehicles and control their supplies and stocks.

1. GENERAL INSTRUCTIONS TO USE THE KEYPAD

The kit has a keypad of 14 keys distributed as it is shown below:



In general the numeric keys will be used for the access and data code typing, both in user and supervisor mode.

When the kit is waiting for the value typing, where it is possible a value with a decimal, you have to press the key <▼> as a decimal.

During the data typing, you have to use the key <▲> to delete the last typed character.

The key <OK> will be used to confirm the typed data or the selected options.

In supervisor mode, the keys <▲> and <▼> will be used to select one of the different options shown in the menus.

The <EXIT> key will be used to cancel the action that is being carried out or the current menu, and to go back to the last display.

2. USER MODE

The user mode is the mode that the kit allows making a supply to an authorized user.

Depending on the kit configuration, it will be necessary to make some or every one of the following steps so that a supply is completed:

Step 1. User identification

According to the kit configuration, this step is made through the following options:

Identification by key:

- If the kit has been configured for user identification by key, the display will show the following message as well as the date and the hour:

PASS IDENTIFIER

The user must put the identification key in its place and keep it in this position until the kit recognizes it, making a brief 'beep'.

- If the identifier is not one of the authorized identifiers, the kit will show the following message during some seconds:

IDENTIFIER
NOT VALID

and after this time it will go back to the initial display.

- If, on the contrary, the identifier is known as an authorized identifier, the kit will show the following message:

TYPE PERSONAL CODE:

The user must type its PIN or personal code, composed of 4 digits, and confirm with the key <OK>.

If the typed code is not correct, the kit will ask for the code typing again. If the user types an incorrect code three times, the user will have to pass again the identifier.

If the identification has been correct, the kit will pass to the following step.

Identification by PIN:

- If the kit has been configured for user identification by PIN code, the display will show the following message as well as the date and the hour:

PRESS A KEY

- Pressing any key, it will appear the following message on the display:

TYPE PERSONAL CODE:

The user must type its PIN or personal code, composed of 4 digits, and confirm with the key <OK>.

If the typed code is not correct, the kit will ask for the code typing again. If the user types an incorrect code three times, the user will have to pass again the identifier.

If the identification has been correct, the kit will pass to the following step.

Without user identification

- If the kit is configured to work without user identification, this step will not be made. The position starting of the kit will be that described in the step 2.

Step 2. Vehicle identification

According to the kit configuration, this step is made through the following options:

Identification by key:

- If the kit has been configured for vehicle identification by key, this will start with the following message in the display:

PASS IDENTIFIER

- The user must put the identification key of the vehicle in its place and keep it in this position until the kit recognizes it, making a brief 'beep'.

If the identifier is not one of the authorized identifiers, the kit will show the following message during some seconds:

IDENTIFIER
NOT VALID

and after this time the kit will ask for the identifier again.

This can be repeated up to three times, and then the kit will reinitiate the service authorization process.

If the identification has been correct, the kit will pass to the following step.

Identification by numerical code:

- If the kit has been configured for vehicle identification by numerical code, the display will show the following message:

TYPE THE VEHICLE
CODE:

- The user must type the vehicle code. This code is composed of any combination from 1 to 5 digits, and it is confirmed with the key <OK>.

If the typed code is not correct, the kit will ask for the code typing once again.

If the user types an incorrect code three times, the user will have to pass again the identifier.

If the identification has been correct, the kit will pass to the following step.

Without vehicle identification:

- If the kit is configured to work without vehicle identification, this step will not be made.

Identification by vehicle assignment:

- If the user identified in the Step 1 has an assigned vehicle, this step will not be made. The vehicle that the user has assigned will be identified in the service authorization.

Step 3. Vehicle mileage introduction

If the identified vehicle has activated the consumption control, the kit will show the following message:

TYPE
KILOMETRES:

or the message:

TYPE
HOURS:

as it is defined the vehicle when it is entered.

The user must type the value that the odometer or the vehicle hour counter has when the service is made. Once the value is typed, the user must confirm it with the key <OK>.

Step 4. Predetermination introduction

Depending on the kit configuration, it is possible to be asked to preset the fuel quantity that you want to supply. In this case, the display will show the following message:

TYPE AMOUNT
PRESET:

If the user really wants to preset a volume, he will have to type the quantity, and confirm it with the key <OK>.

It is possible to type a value of litre fraction or the volume unit which you are working with, typing the decimal with the key <▼>. If the user does not want to preset the supply volume, he will have to press the key <OK>.

It is important to point out the accuracy of the supplied volume will depend on the installation of the required valves to reduce or cut the flow in the right moment.

Step 5. Supply starting

At this moment, the display will show the following message:

SERVICE
AUTHORIZED

The user has to take the nozzle off. Then, the pump motor will start, and the display will change showing the supply volume through big size numerical digits.

The shown quantity resolution, in tenth or hundredth of litres, or the volume unit which is working with, will depend on the kit configuration.

Step 6. Supply end

The supply finishes with the pump motor stop, and this can happen because of any of the following causes (the first that happens):

- The user hangs up the nozzle.
- It has passed some time without passing liquid equal to that configured in the parameter 'seconds without pulses‘.
- The supply has achieved the configured volume in the parameter 'maximum amount'.
- The supply has taken an equal time than that configured in the parameter 'maximum time'.

The display will show the value reached in the supply during the next 60 seconds after the supply end. After this time, the kit will return to the start situation of the service authorization.

If it is necessary to start a new identification before the described time passes, the user will have to pass the identifier or press a key, depending on the configured identification mode.

Step 7. Supply ticket

If the kit is connected to a ticket printer, it is possible to print a supply ticket similar to the model shown below.

The way to print this ticket depends on the value of the parameter 'ticket edition' in the definition of the user that has made the service.

⇨ If it is defined as ‘Yes’, the user will not have to make any action, and the kit will automatically print the ticket.

⇨ If it is defined ‘by request’, the user will be able to choose to print or not to print the ticket.

- If he wants to print the ticket, he will have a determined time to pass again the identification key or type his PIN code, depending on the identification mode, and ask for the ticket printing.

  The value, in seconds, of this time is that configured in the parameter ‘ticket request seconds’.

  If the user lets this time pass and he is identified again, the kit will understand that he wants to start a new identification.

⇨ Finally, if the user is defined with the parameter ‘ticket edition' as 'No', the user will not be able to print the ticket.

```
COMPANY NAME
Address
Town
NIF

07/05/2013                11:09:55

NUMBER:                    5564
USER:                       345
VEHICLE:                    233
KILOMETRES:              122334
PRODUCT:              DIESEL A
QUANTITY:                 34.02
PRICE:                    0,850
TOTAL:                    28.92

      THANK YOU VERY MUCH
```

This shown ticket model is the complete ticket. The edited data will depend on the system configuration.

So, i.e., the first and last lines are free texts; the kilometre line will or will not be shown depending on whether the vehicle has or has not activated the consumption control; or the lines related with the amount will be only shown if the price per litre or the volume unit with which is working has a different value of zero.

3. SUPERVISOR MODE

The Supervisor mode is the mode where the kit allows the authorized person (from now on, SUPERVISOR) to make all the configuration system operations, as well as to get the stored data.

According to the kit configuration, this mode can show the different menus and options that will be described in this manual.

3.1. SUPERVISOR mode access

The SUPERVISOR is identified as any other user. If the system is configured for user identification through identification key + PIN, there will be a key that the kit will identify as the SUPERVISOR that, along with the associated PIN, will give access to this mode. Otherwise, if the kit is configured for the user identification through PIN, there will be a PIN associated to the SUPERVISOR.

3.2. SUPERVISOR mode menu

To go into the SUPERVISOR mode, first you have to press the key <OK> without dropping it, press the key <▼> at the same time. Once the SUPERVISOR (PIN 0220) is correctly identified, the display will show the following menu:

```
SUPERVISOR MODE
> IDENTIFIERS
  REGULARIZATION
  CALIBRATION
  CONFIGURATION LIST
  SUPERVISOR MENU
  GPRS (only with the kits with GPRS connection)
```

The desired option will be chosen pressing the keys <▲> and <▼> until the pointer > points to the option. Then press the key <OK>.

The different options are described below:

3.2.1. SUPERVISOR mode / IDENTIFIERS

This option allows the code reading that an identifier has. Once selected, the display shows the following message:

```
PASS IDENTIFIER
```

The kit will wait the user places the identifier on its site. If the identifier is usable, the kit will read its code, and it will show it in the last line of the display.

Pressing the key <EXIT>, it will be shown again the SUPERVISOR MODE menu.

3.2.2. SUPERVISOR mode / REGULARIZATION

This option allows adjusting the level shown by the kit to the real level that there is in the tank. Because of some differences in the accuracy of some instruments, which are used to count the entered and supplied liquid, it is possible that there can be some imbalances between the shown value by the kit and the measured value. This option allows making a "regularization" of this level.

Once selected one of the available tanks, the display will show:

REGULARIZ. LIQUID X
CURRENT QUANTITY:

The kit will wait that the current litre (or the volume unit with which is working) number is typed. Once the quantity is typed and confirmed with the key <OK>, the kit will have this value as the current tank level.

3.2.3. SUPERVISOR mode / CALIBRATION

This option allows the meter calibration. The kit has built in an automatic electronic calibration process by means of passing a known amount of liquid through the meter; while the kit "counts" the pulses generated by the meter. Once the liquid has passed, it will be indicated to the kit the transferred amount with which the kit can calculate the relation that there is between the pulses and the volume. Independently of this system, the kit has also built in the traditional system of the whole factor, as it will be described below.

Procedure: Accepting the CALIBRATION option, after putting the pointer and pressing the key <OK>, the kit will start the pump (independently of the nozzle position) and will show the following message on the display:

SUPPLY KNOWN AMOUNT
AND PRESS OK

In this point, fill a recipient with a known volume. The best option is to use a homologated dekalitre. Once filled, press <OK>, and the kit will stop the pump and show the following message:

TYPE SUPPLIED
AMOUNT:

where the supplied volume must be typed. Remember that there is the possibility to type in decimals. Consult the section 1. General Instructions to use the keypad.

Once typed this amount and confirmed with the key <OK>, the display will show the following message:

NEW FACTOR FFFFFF

OK = ACCEPT
EXIT = REJECT

where FFFFFF is the new calculated factor of calibration and represents the number of hundred thousandth of litres (or the volume unit with which is working) that the count will be increased by each received pulse, having the option to accept the new value through the key <OK> or reject it through the key <EXIT>.

If the kit has not noticed any pulse or the typed quantity has been equal to 0, it will not be possible to make the calculation and the shown message will be:

CALIBRATION PROCESS
ERROR

OK = ACCEPT

Pressing <OK> you will come back to the display of the SUPERVISOR MODE and the calibration factor will not be modified.

If the new factor has been calculated, once accepted, the display will show the following message:

PROTECT FACTOR?

OK = YES
EXIT = NO

With the affirmative answer, it is achieved the new factor is not altered by a value that can get from a possible communication of the control software installed in a computer. So the factor value "is protected". If, on the contrary, it is answered in negative, the factor will be modified by the received communication of the software. This protection only affects to the described case. It is not valid when a recalibration is made from the controller.

It is possible to cancel the calibration process pressing the key <EXIT> at any moment. The display will return to the SUPERVISOR MODE.

3.2.4. Supervisor Mode / CONFIGURATION LIST

This option shows the current kit configuration. A parameter of this configuration, which exactly shows whether a printer is or is not enabled in the system, will point out where the list will be displayed. If the printer is enabled, the list will be printed. If, on the contrary, it is not enabled, the configuration will be only shown on the display.

The system configuration is divided into Console Configuration, Product Configuration, Tank Configuration, and Hose Configuration, containing each one of these divisions some configuration parameters.

This option does not allow modifying these parameters; these can be only displayed. In the following section of the SUPERVISOR MODE, SUPERVISOR MENU, each and every one of these parameters can be modified and explained.

3.2.5. SUPERVISOR mode / SUPERVISOR MENU

This SUPERVISOR MODE section is that really allows the system data contribution and recovery.

This option is not always visible. If the kit is controlled from a computer, this menu will not be accessible to avoid the possibility of typing data to the system from two different sources, the computer program, and the own kit keypad. In this case, in this menu position, it will appear the PC DISCONNECTION option. Selecting it and accepting it, it will appear again the SUPERVISOR MENU.

This menu has the following structure:

SUPERVISOR MENU
CONFIGURATION
CONSOLES
USER IDENTIF.
VEHICLE IDENTIF.
PREDETERMINATION

SUPERVISOR ID.
SUPERVISOR PIN
LCM HEADING
LANGUAGE
PRINTER LINE 1
PRINTER LINE 2
PRINTER LINE 3
PRINTER LINE 4
PRINTER LINE 5
TICKET REQUEST SECONDS
ADDRESS
HIDING 300 ml
TAX DECIMALS
PRICE DECIMALS
TOTAL DECIMALS
HOSE SELECTOR

TANKS

NAME
SALE PRICE
TAX

HOSES

GENERATOR TYPE
RESOLUTION
FACTOR
FACTOR PROTECTION
TANK
W/O PULSES
MAXIMUM AMOUNT
MAXIMUM TIME

GPRS

OPERATOR
USER
PASSWORD
SERVER
LOCAL PORT
REMOTE PORT

ETHERNET

IP ADDRESS
NET MASK
GATEWAY
SERVER
LOCAL PORT
REMOTE PORT
DNS1
DNS2

DATE/HOUR

STARTING

3.2.5.1. SUPERVISOR Mode / SUPERVISOR Menu / CONFIGURATION

Once into configuration, the display will show the following menu:

> CONSOLE
TANKS
HOSES
GPRS (*only in kits with GPRS connection)*
ETHERNET *(only in kits with ETHERNET connection)*

3.2.5.1.1. SUPERVISOR mode / SUPERVISOR MENU / CONFIGURATION / CONSOLE

This part of the configuration allows modifying the parameters that refer to the console operation. These parameters are:

⇨ USER IDENTIFICATION: It shows the way the users will be identified. The available options are:

- *Without identification*: where the system will only identify the vehicle not the user.
- *By PIN*: the PIN (Personal Identification Number) is a code of four digits.
- *By identification key + PIN*: where each user has assigned an identification key plus a code of four digits.

⇨ VEHICLE IDENTIFICATION: It shows the way the vehicles will be identified. The available options are:

- *Without identification*: where the system will only identify the user not the vehicle.
- *By identification key*: where each vehicle has assigned an identification key.
- *By numeric code*: where each vehicle has assigned a numeric code among 1 and 99 999.

⇨ PREDETERMINATION: This parameter allows or not enabling the predetermination (preset) in the supplies. For more information consult the section *Predetermination Introduction* of the USER MODE.

⇨ SUPERVISOR ID.: It is the identifier code of the SUPERVISOR as long as the system is configured for the user identification by identification key + PIN. If not, it is irrelevant.

⇨ SUPERVISOR PIN: It is the PIN code associated to the SUPERVISOR.

⇨ LCM HEADING: It is a text of 20 characters, freely editable, that will appear in the first line of the display while the kit is in the waiting state.

⇨ LANGUAGE: Select the language.

⇨ PRINTER: It specifies if the printer is or is not enabled.

⇨ PRINTER LINE 1: It is a text of up to 32 characters, freely editable, that will appear in the first line of the ticket.

⇨ PRINTER LINE 2: It is a text of up to 32 characters, freely editable, that will appear in the second line of the ticket.

⇨ PRINTER LINE 3: It is text of up to 32 characters, freely editable, that will appear in the third line of the ticket.

⇨ PRINTER LINE 4: It is text of up to 32 characters, freely editable, that will appear in the fourth line of the ticket.

⇨ PRINTER LINE 5: It is text of up to 32 characters, freely editable, that will appear in the last line of the ticket, after all the supply data. This text will be shown in a centred position respect to the paper width.

⇨ TICKET REQUEST SECONDS: It is the time in seconds that a user has to identify himself again, after finishing the supply, to obtain the ticket if that user has defined the parameter of *ticket edition by request*.

⇨ ADDRESS: It is a number among 1 and 15 that represents the address of that console into a possible console network connected to the same port of a computer. In this network, each one of the consoles must have an own address that do not have any other of the other consoles.

⇨ HIDING 300 ml: The display does not show the first supplied 300 ml.

⇨ TAX DECIMALS: It allows entering up to 4 decimals.

⇨ PRICE DECIMALS: It allows entering up to 4 decimals.

⇨ TOTAL DECIMALS: It allows entering up to 4 decimals.

⇨ HOSE SELECTOR: It must be always selected the NO option, even though there are connected 2 hoses.

3.2.5.1.2. SUPERVISOR mode / SUPERVISOR MENU / CONFIGURATION / TANKS

This part of the configuration allows modifying the parameters that refer to the tanks that have the products that the installation can supply. These parameters are:

⇨ NAME: It is the product name. This name will appear in the ticket at the end of the supply if it has a printer.

⇨ SALE PRICE: It is the price per litre (or the volume unit with which it is working) of the product. The kit will print a valued ticket if this parameter is different from 0. Otherwise, the produced ticket will not have any reference to the transaction amount.

⇨ TAX: It is the percentage applied to the total amount of the transaction, understood as supplied litres (or the volume unit with which it is working) multiplying the Sale Price, in concept of Taxes.

3.2.5.1.3. SUPERVISOR mode / SUPERVISOR MENU / CONFIGURATION / HOSES

This part of the configuration allows modifying the parameters that refer to the hoses controlled by this console. These parameters are:

⇨ GENERATOR TYPE: It allows selecting the type of pulse generator for that hose. It is possible to select among:

- generators of 2 180º phase-out channels
- generators of 2 90º phase-out channels
- generators of 1 channel

⇨ RESOLUTION: It is the resolution with which the supplied volume, through this hose, must be shown, in the kit display. It is possible to select a resolution of tenth of litre or hundredth of litre (or the volume unit with which is working).

⇨ FACTOR: It represents the resolution of the system composed of the meter set plus the pulser.

The value of this parameter can be calculated in the following way:

Factor = 100 000 / (meter turns per litre * pulses of the generator per turn)

This factor will be divided by two in the event that the type of selected generator has two 180º phase-out channels.

Remember that the kit allows an automatic calibration that avoids making the calculation of this factor, as it is described in the section SUPERVISOR MODE / CALIBRATION.

⇨ FACTOR PROTECTION: If this option is activated, the stored factor in the kit will not be altered by the parameters passed through the communication from the control software. It is an option to take into account in the hydraulic systems where it is not possible to calculate a whole fix factor and where the calibration must be done in an automatic way. Please consult the SUPERVISOR MODE / CALIBRATION for more details.

⇨ TANK: It is the number of the tank from which that hose is supplying liquid.

⇨ SECONDS W/O PULSES: It is the time, in seconds, during which the kit will have an active supply without a liquid pass. Once this time passes, the kit will finish the service.

⇨ MAXIMUM QUANTITY: It is the maximum volume, in litres (or the volume unit with which is working), that the kit will allow supplying in one go. Once this amount is achieved, the kit will finish the service.

⇨ MAXIMUM TIME: It is the maximum time, in seconds, that the kit will have active a supply. Once this time passes, the kit will finish the service.

3.2.5.1.4 Supervisor Mode / SUPERVISOR MENU / CONFIGURATION / GPRS (only in kits with GPRS connection)

This option allows the parameter configuration so that the GPRS connection and the later synchronization of information with the DieselPlus application are established.

⇨ OPERATOR: Name of the access point (APN) given by the operator of the mobile network of the installed SIM card.

⇨ USER: User of the GPRS connection given by the operator of the mobile network of the installed SIM card.

⇨ PASSWORD: User password of the GPRS connection given by the operator of the mobile network of the installed SIM card.

⇨ SERVER: Domain or IP address of DieselPlus used for the communications with the GK-7PLUS controller given by DieselPlus.

⇨ LOCAL PORT: Listening port number of the GK-7PLUS given by DieselPlus.

⇨ REMOTE PORT: Listening port number of the DieselPlus application given by DieselPlus.

The values of the SERVER, LOCAL AND REMOTE PORT only can be modified from the DieselPlus application.

3.2.5.1.5 Supervisor Mode Supervisor / SUPERVISOR MENU / CONFIGURATION / ETHERNET (only in kits with ETHERNET connection)

This option allows the parameter configuration that take part in the ETHERNET connection and the later communication of information with the DieselPlus application.

- ⇨ IP ADDRESS: IP address assigned to the GK-7PLUS controller in the local network given by the network administrator.
- ⇨ NETMASK: It determines the local network scope given by the network administrator.
- ⇨ GATEWAY: IP address of the link gate given by the network administrator.
- ⇨ SERVER: Domain or IP address of DieselPlus used for the communications with the GK-7PLUS controller given by DieselPlus.
- ⇨ LOCAL PORT: Listening port number of the GK-7PLUS given by DieselPlus.
- ⇨ REMOTE PORT: Listening port number of the DieselPlus application given by DieselPlus.
- ⇨ DNS1: Preferred DNS Server.
- ⇨ DNS2: Alternative DNS Server

The values of the SERVER, LOCAL AND REMOTE PORT only can be modified from the DieselPlus application.

3.2.5.2. SUPERVISOR mode / SUPERVISOR MENU / DATE/HOUR

This option allows adjusting the clock of real time that the kit has. Selecting it, the display shows:

DATE

CURRENT 08/04/2013
NEW / /

In this point, type the correct date and then <OK>. The used format is DDMMYYYY. If the shown date is correct, it is possible to keep it pressing the key <OK> directly. If it is typed an incorrect date, the system will not modify the current date although it will not inform about this fact.

Once completed the date regularization, the kit will show the following message:

HOUR

CURRENT 13:06:43
NEW : :

In this point the correct hour will be typed followed by the key <OK>. The used format is HHMMSS. If the shown hour is correct, it is possible to keep it pressing the key <OK> directly. If it is typed an incorrect hour, the system will not modify the current hour although it will not inform about this fact.

3.2.5.3. SUPERVISOR mode / TECHNICAL MENU / INITIALIZATION

Through this option it is possible to initialize the different data files of the system or what it is the same to eliminate the information that the kit has. Please **act with extreme caution in this option as it is not possible to recover this information once some of the files are initialized,.**

Once this option selected, it will appear a menu with the following options:

USER FILE
VEHICLE FILE
SERVICE FILE
CONFIGURATION FILE
ALL

Selecting any of them, the kit will show the following message:

CONFIRM
INITIALIZATION

Confirm with the key <OK> to make effectively the operation or press any other key to exit.

The effect of making an initialization on each one of these files is the following:

USERS: All the authorized users will be eliminated.
VEHICLES: All the authorized vehicles will be eliminated.
SERVICES: All the stored services will be eliminated.
CONFIGURATION: It will be loaded a system configuration by defect. This configuration can be consulted in the APPENDIX A.

Selecting the option ALL, it will be made an initialization of each and every one of the four files.

3.2.6. GPRS (only in kits with GPRS connection)

Through this option, it is possible to consult the GPRS connection and it is not allowed to be modified. to configure the parameters linked to the GPRS connection, access the options into 3.2.5.1.4. SUPERVISOR MODE / SUPERVISOR MENU / CONFIGURATION / GPRS).

- ⇨ STEPGPRS: Number that determines the GPRS connection state
- ⇨ OPERATOR: It informs about the user configured in the GPRS controller parameters.
- ⇨ COVERAGE: GPRS signal in the mobile phone network. Its range is among 0 (without signal) and 31 (maximum signal).
- ⇨ IP: IP address assigned by the mobile phone operator.

4. THE PRINTER

The controller is equipped with a thermal printer of 32 columns with an automatic built-in cut, in order to print tickets and lists.

The adequate paper for this type of printers is thermal paper with a width between 56 and 57 mm. It is advisable to use paper of quality to obtain a good printing and prevent damages to the printer mechanical system.

HOW TO REPLACE THE PAPER ROLL BY A NEW ONE:

1- Open the upper door that covers the printing system.

2- Raise the cutter. This turns by its upper shaft.

3- Remove the finished roll and put the new one.

4- Put the beginning of the new roll by the lower printer groove. You have to make a clean and perpendicular cut on the paper.

5- The printer has an automatic charging system that will pick up the paper when its sensor detects it. Leave that the mechanical system freely takes the paper.

6- If it is necessary to take over the paper because it is not correctly entering, it is possible to raise the printing heading through a lever that is placed on the printer left. Once this lever is liberated, it is possible to move the paper to be centred. As soon as the lever is down, the printer will pick up some centimetres of paper.

7- Pass the paper through the groove of the cutter.

8- Finally, close de door.

Appendix A · Factory controller configuration

The configuration by defect is that the kit has (approx.) when it goes out from the factory or after an initialization. This configuration is the following one:

CONSOLE CONFIGURATION:

User identification:	PIN
Vehicle identification:	Numeric code
Predetermination:	Not enabled
Supervisor identify.:	000000000000
PIN Supervisor:	0220
Product number:	1
Tank number:	1
Hose number:	1
LCD heading:	GK-7 CONTROLLER
Language:	Spanish
Printer:	Not enabled
L1 Printer:	GK-7 CONTROLLER
L2 Printer:	
L3 Printer:	
L4 Printer:	
L5 Printer:	
Ticket requ. Seconds:	60
Address:	1
Hiding 300 ml	YES
TAX decimals	0
Price decimals	3
Total decimals	2
Hose selector	NO
Free field	UNABLED
Free field mask	NUMERICAL
Free field Text1	
Free field Text2	

TANK 1

Product	PRODUCT 1

PRODUCT 1:

Name:	PRODUCT
Sale price:	0.000
Tax:	0

HOSE CONFIGURATION

HOSE 1

Tank:	1
Resolution:	1/100
Generator type:	2 channels at 9º
Divisor Factor:	approx. 500(1)
Factor Protection:	Not protected
Seconds w/o pulses:	90
Maximum amount:	1000
Maximum time:	600

(1) This value can be changed depending on its calibration from factory.

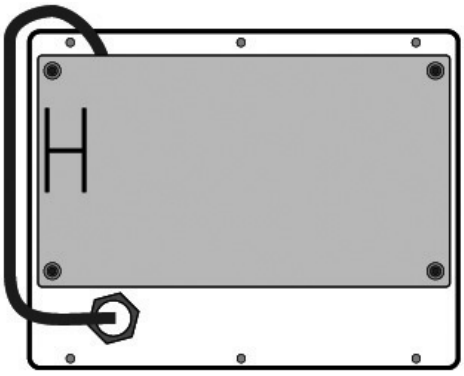
Appendix B. Insert or replace the SIM card of the GK-7PLUS controller (only in kits with GPRS connection)

The GK-7PLUS kits with GPRS connection requires a SIM card for its operation because these must be communicated with the DieselPlus application. To insert or replace the SIM card access the controller inner.

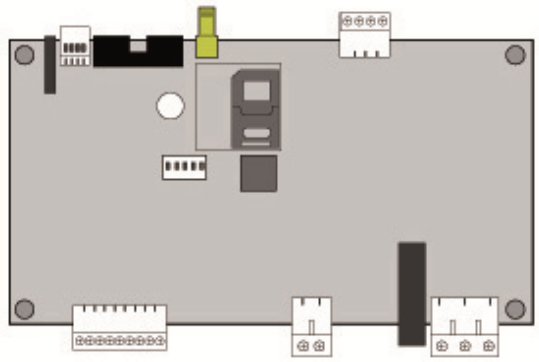
ATTENTION
This SIM card must have enabled the GPRS data transmission and its PIN deactivated.

HOW TO INSERT OR REPLACE THE SIM CARD OF THE CONTROLLER:

1. In the controller back disconnect the connectors.



2. Unscrew the 4 screws placed in the ends of the metallic cover.
3. Remove the metallic cover paying attention not to force the GSM antenna connector.
4. Then insert or replace the SIM card in the SIM location with the golden contacts downwards.



5. Follow the before steps in the other way round placing the metallic cover, screwing the 4 screws in the ends and connecting the connectors.

CONFIGURE THE NEW SIM CARD:

1. Switch on the GK-7PLUS controller or the kit that has built in it.

2. Access the SUPERVISOR MODE following the instructions of the above section no. 3 and fill in the options of the OPERATOR (APN), USER and PASSWORD into ***3.2.5.1.4. Supervisor Mode / SUPERVISOR MENU / CONFIGURATION / GPRS*****,** according to the information given by the mobile phone operator of the SIM card.

3. Restart the GK-7PLUS controller or the kit.

Once the GK-7PLUS controller or the kit is restarted, it is possible to check if there is a correct GPRS connection into ***3.2.5.1.4 Supervisor Mode / SUPERVISOR MENU / CONFIGURATION / GPRS*** as it is described in the *above section no. 3.*

If your GK-7PLUS kit gives the IP address assigned by the mobile phone operator, it means it is connected to the network.

CONFORMITY DECLARATION

Manufacturer:

TOT COMERCIAL SA
Partida Horta d'Amunt, s/n
25600 BALAGUER (Lleida) SPAIN

DECLARES:

Under its own responsibility that the following machine:

Own Consumption Controller

Mark: GESPASA

Model: GK-7Plus

Serial no.

It is in accordance with the following Directives of the European Parliament and the Council: "2006/42/EC of 17 May 2006 on machinery", "2006/95/EC of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits" and "2004/108/EC of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive 89/336/EC", and it has been manufactured according to the below harmonized regulations:

UNE-EN ISO 12100-1:2004	Safety machinery. Basic concepts, general principles for design Part 1: Basic terminology, methodology (ISO 12100-1:2003)
UNE-EN 60204-1:2007	Safety of machinery. Electrical equipment of machines Part 1: General requirements (IEC 60204-1:2005, modified)
UNE-EN 55014-1:2008	Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus Part 1: Emission
UNE-EN 55014-2/A1:2002	Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus Part 2: Immunity. Product family standard

Balaguer (Lleida), March 2014

Andrés Pané