## ATHENA AT. MT

**INSTALLATION MANUAL** 

ΕN

**HANDBUCH** 

DE

**MANUAL DE INSTALACION** 

ES

**MANUEL D'INSTALLATION** 

FR

MANUALE D'INSTALLAZIONE

Π

MANUAL DE INSTALAÇÃO

PT

**KULLANIM KLAVUZU** 

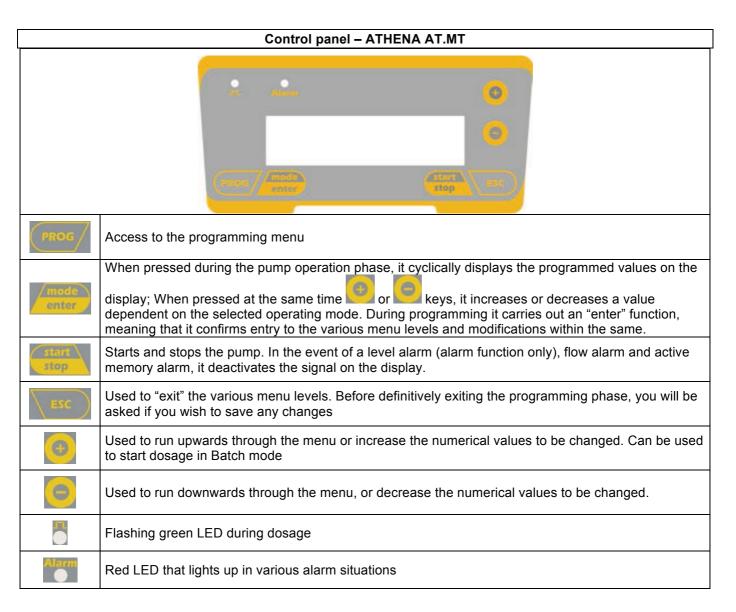
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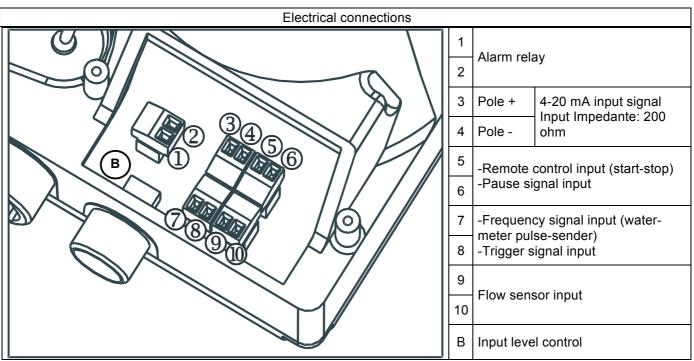
РУКОВОДСТВО ПО УСТАНОВКЕ И ЭКСПЛУАТАЦИИ

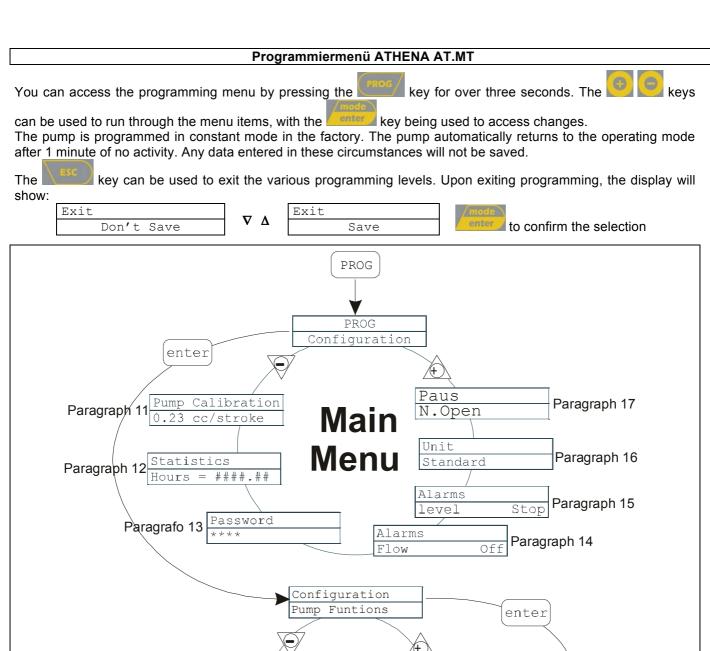
RU

EM00136269 rev. 1.0

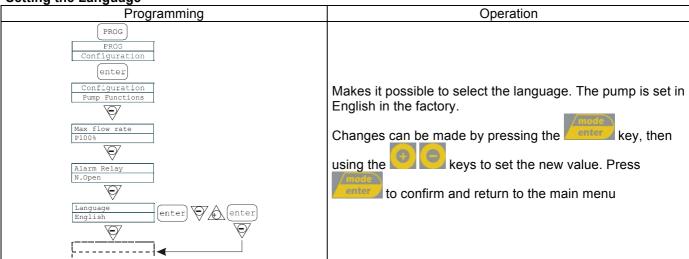
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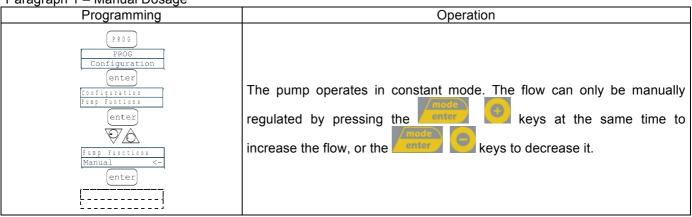


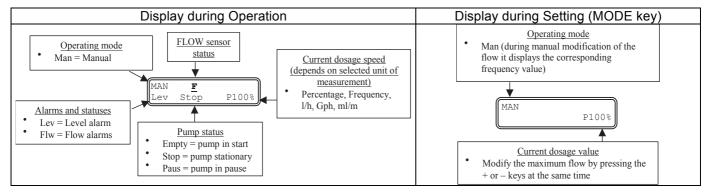


**Setting the Language** 

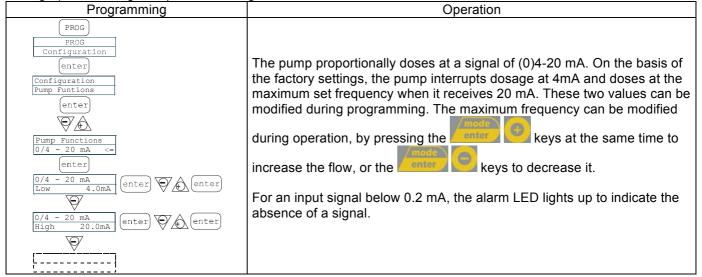


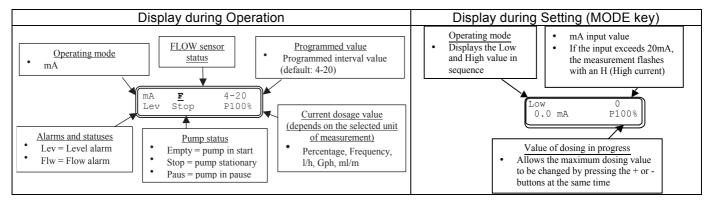
Paragraph 1 - Manual Dosage



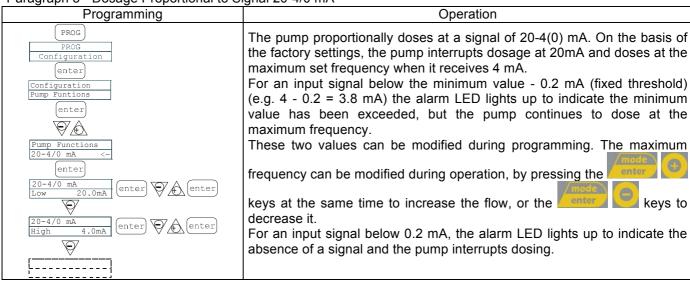


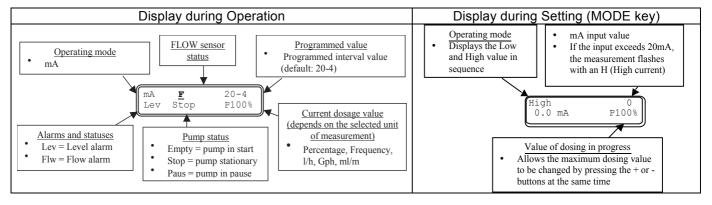
Paragraph 2 - Dosage Proportional to Signal 0/4-20



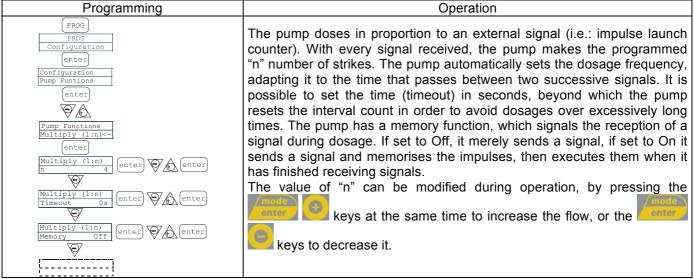


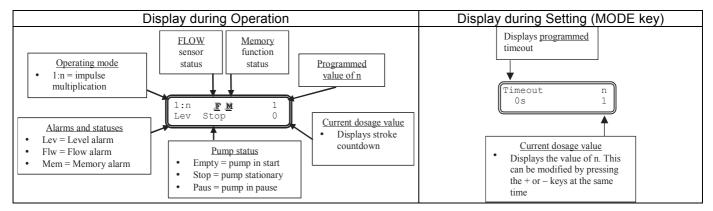
Paragraph 3 - Dosage Proportional to Signal 20-4/0 mA



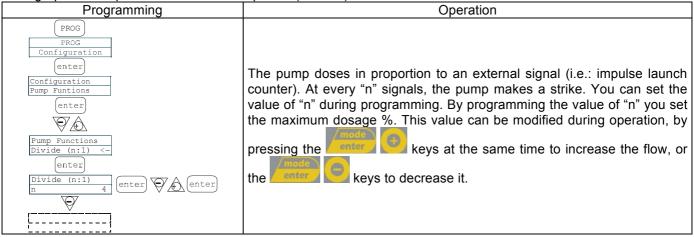


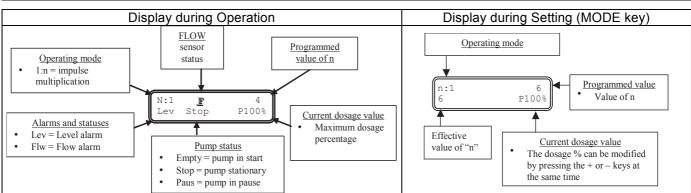
Paragraph 4 – Proportional to External Impulses (multiplication)



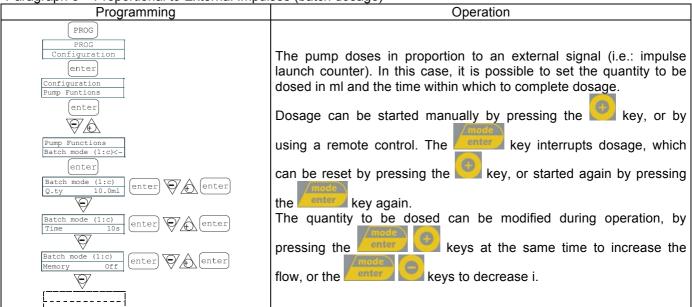


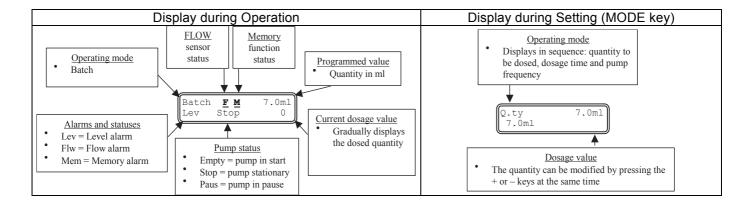
Paragraph 5 – Proportional to External Impulses (division)



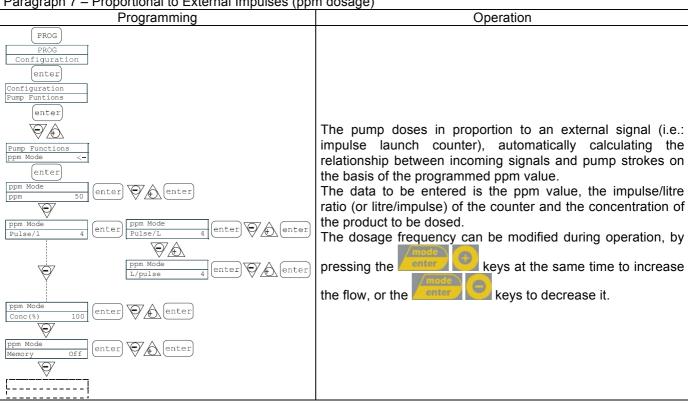


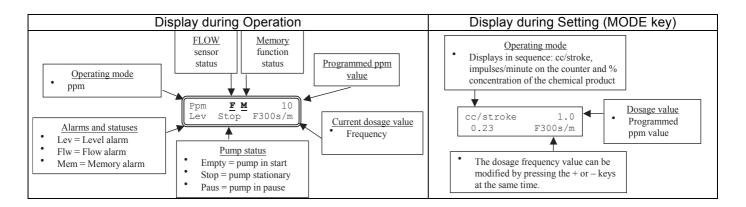
Paragraph 6 – Proportional to External Impulses (batch dosage)



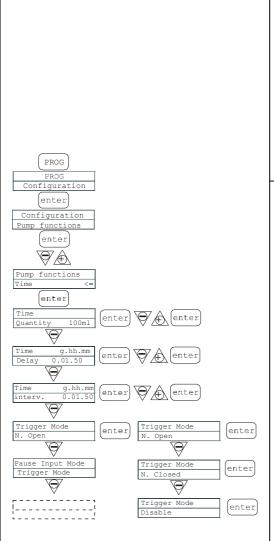


Paragraph 7 – Proportional to External Impulses (ppm dosage)





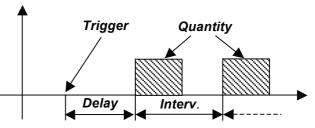
Paragraph 8 – Timed Dosage (Frequency signal input "TRIGGER" activated)



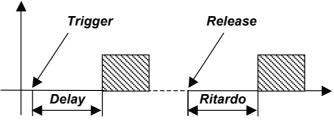
Programming

After receipt of the **TRIGGER** signal set, the pump doses a quantity that can be programmed in ml. It is possible to set a delay time before the dosing (**Delay**) and the interval between subsequent dosings (**Interv.**) as illustrated in the diagram:

Operation



By setting for example an *Interval*. time = 0, a system is obtained in which the programmed quantity is dosed after each *TRIGGER* signal (with any delay that has been set):



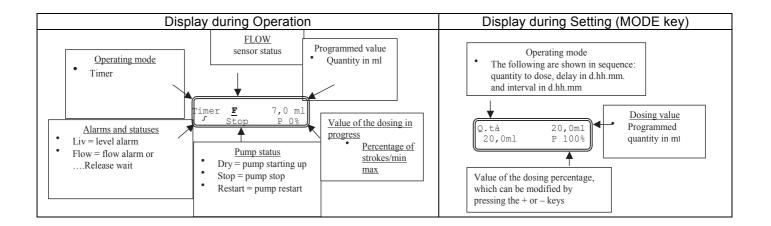
It is possible to start the dosing by pressing the + key, which, in practice, simulates the *Trigger* signal.

The **Trigger** signal can be set to **N. Open** (it is activated when the input passes from the open to the closed mode) or to **N. Closed** (it is activated when the input passes from the closed to the open mode).

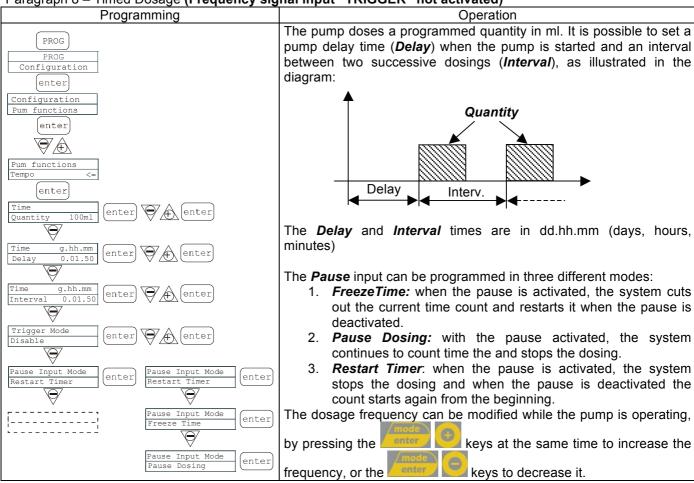
The *Trigger* signal is locked during dosing (its receipt is neither stored nor managed).

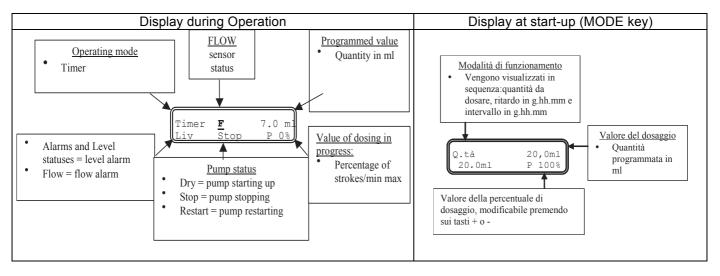
The **Pause** (**Remote input**) input cannot be programmed and its activation stops the dosing, while its further deactivation makes the system wait again for the **Trigger** signal for a new dosing.

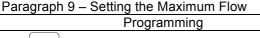
The dosage frequency can be modified while the pump is operating, by pressing the keys at the same time to increase the frequency, or the keys to decrease it.

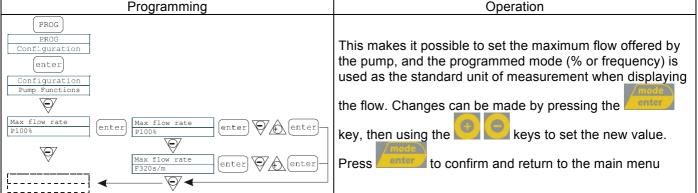




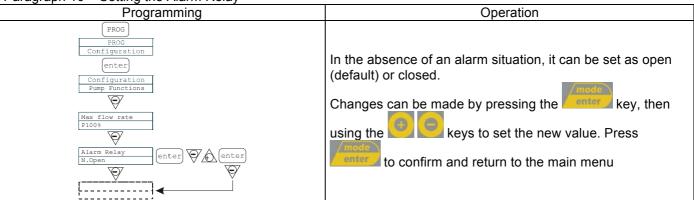




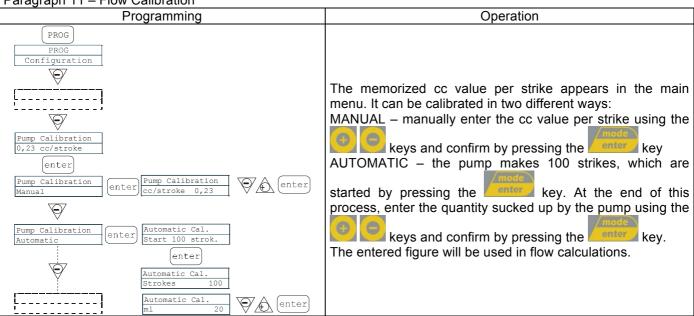




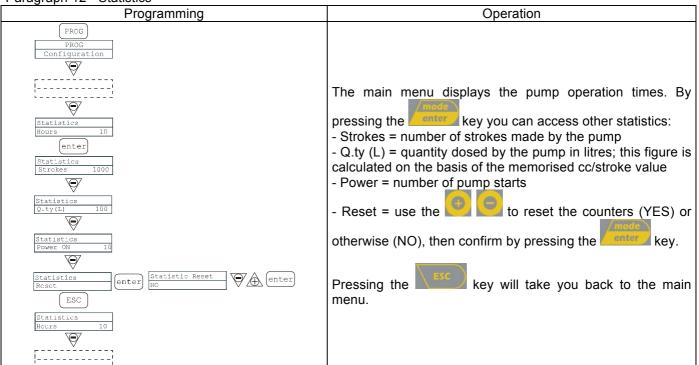
Paragraph 10 – Setting the Alarm Relay



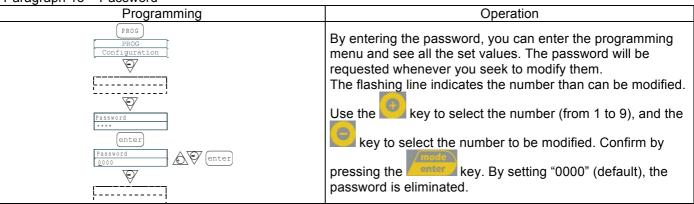
Paragraph 11 – Flow Calibration



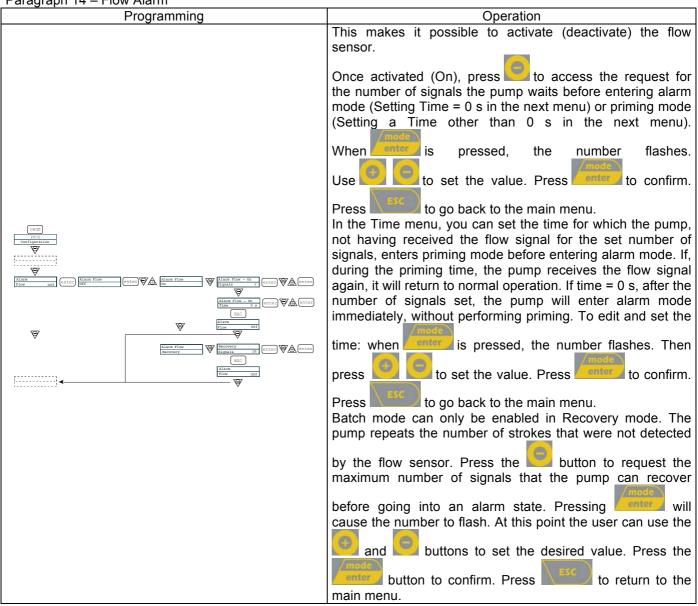
Paragraph 12 - Statistics



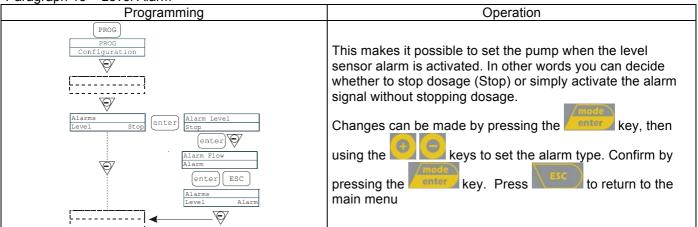
Paragraph 13 – Password



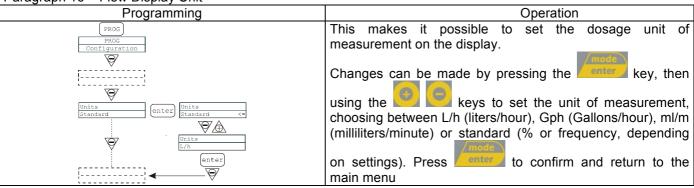
Paragraph 14 - Flow Alarm



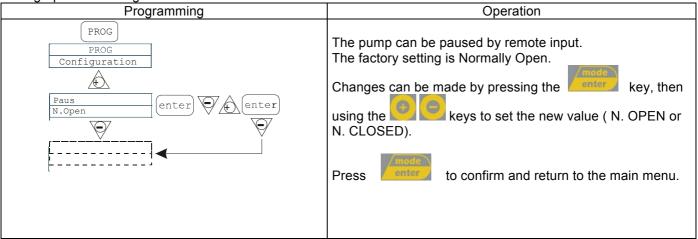
## Paragraph 15 – Level Alarm



Paragraph 16 – Flow Display Unit



Paragraph 17 - Setting the Pause



## Display contrast adjustment.

For adjusting the display contrast keep the key pressed and within 5 seconds press the keys or to increase or decrease the contrast.

## Alarms

Display	Cause	Interruption
Fixed alarm LED Flashing word "Lev" I.e. Man Lev P100%	End of level alarm, without interrupting pump operation	Restore the liquid level.
Fixed alarm LED Flashing words "Lev" and "stop" I.e. Man Lev Stop P100%	End of level alarm, with interruption to pump operation	Restore the liquid level.
Flashing word "Mem"  I.e. 1:n 6  Mem	The pump receives one or more pulses during dosage with memory function on Off	Press the key
Flashing word "Mem"  I.e. 1:n <u>M</u> 6  Mem	The pump receives one or more pulses during dosage with memory function on On	When the pump finishes receiving external impulses, it returns the memorized strokes
Fixed alarm LED Flashing word "Flw"  I.e. Man Flw P100%	Active flow alarm. The pump has not received the programmed number of signals from the flow sensor.	Press the stop key
I.e. Parameter Error PROG to default	Internal CPU communication error.	Press the key to restore the default parameters.