

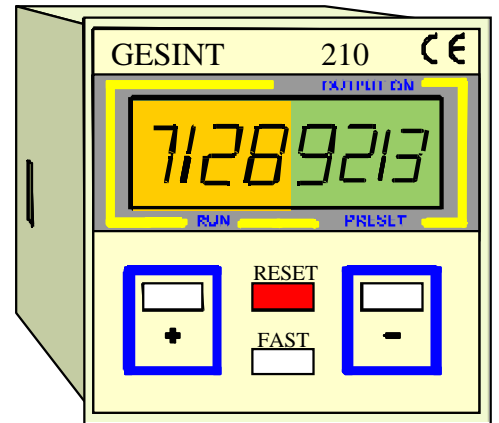


FLOWCONTROLLER PRESELECTOR



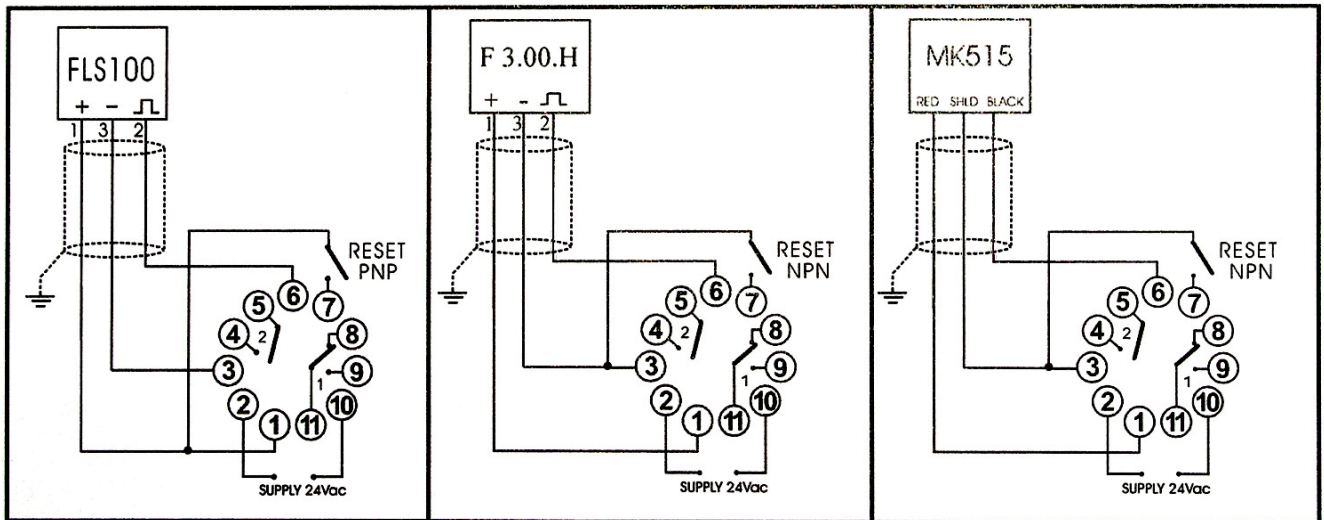
CONTROLLER MOD. C-210

This device is a pulse counter, connected to a flow sensor with FIP impulses (FLS-100) or GF(MK515), or others similar, can be used to measure and/or regulate the quantity of water or other products flowing through a pipe.



TECHNICAL CHARACTERISTICS

SYSTEM	Microprocessor
KIND OF MEMORY	EEPROM (without battery) with more than 50 million read/write cycles lifetime
DISPLAY	8 digit LCD, backlighted, indicating pre-selection values and output state. (4 digits for the pre-selection and 4 digits for the counter)
COUNT INPUT OF FLS100	Square wave 8-12 Vdc Max. speed 5 kHz of the flowcontroller
COUNT INPUT OF MK515	Sinusoidal wave Max 500 Hz
OUTPUT 1	1 contact SPDT 4 Amp Max. 220 Vac (count end)
OUTPUT 2	1 contact NO 4 Amp Max. 220 Vac (counting) Programmable pulse duration through the dip switch 0,1 - 0,2 - 0,5 - 1 sec.
POWER	24 Vac 4,5 W (others available on demand)
AUX POWER	12 Vdc 50 mA
WORK TEMPERATURE	-10° +55° C
MATERIAL CONTAINER	Fireproof Polycarbonate
PROTECTION CLASS	IP-65
WEIGHT	210 gr
DIMENSIONS	48 x 48 x 105 mm (45 x 45 Cut-out)



-PLANNING OF THE PRESET -

"+" "Add" button.

"-" "Minus" button.

RESET Resets count value

"+" "-" T2A7 To change the pre-selection value quickly press the "FAST" and "+" or "-" keys at the same time.

-SETTING "KF" CALIBRATION FACTOR -

FAST

2 sec

To enter in the "KF" setting press "FAST" key during 2 sec.. When "PR" appears on display release the "FAST" key and press the keys "+" or "-" until the required value of "KF" shows on display.

To leave the setting press the "FAST" key.

Look at the flowcontroller technical documentation to find out the right "KF" value.

-CONFIGURATION "SETTING AND READING PRESET"-

FAST

6 sec

Press FAST key during 6 sec. When 0000 appers on display release the fast key and press the keys "+" or "-" to set the visulization to one of the next mode:

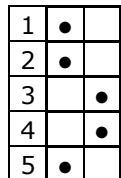
0000 If "KF" setting XXX pulses = 1 litre
(eg. If we want 1000 liters, we set 1000 and read 1000)

0000 If "KF" setting XXX pulses = 10 litres
(eg. If we want 1000 liters, we set 100 and read 1000)

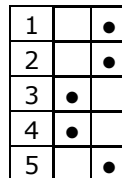
0000 If "KF" setting XXX pulses = 100 litre
(eg. If we want 1000 liters, we set 10 and read 1000)

-SETTING DIP SWITCHES-

1..5 .- Sensor type:

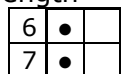


MK515

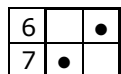


FLS100 / F3.00.H

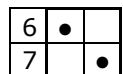
6-7 .- Setting pulse length



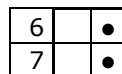
1,25 ms



20 ms

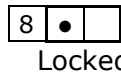


60 ms

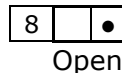


100 ms

8 .- Key "fast"

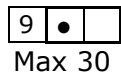


Locked

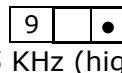


Open

9.- Frequency input

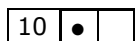


Max 30 Hz

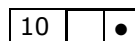


Max 5 KHz (high speed).

10.- Input 7



NPN (MK 515 / F3.00.H)



PNP (FLS 100)

1		
2		
3		
4		
5		

MK515

1		
2		
3		
4		
5		

FLS100

6-7 .- Setting pulse length

6		
7		

0,1 sec.

6		
7		

0,2 sec.

6		
7		

0,5 sec.

6		
7		

1 sec.

8 .- Key "fast"

8		
---	--	--

Locked

8		
---	--	--

Open

9.- Frequency input

9		
---	--	--

Max 30 Hz

9		
---	--	--

Max 5 KHz (high speed).

10.- Input 7

10		
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NPN (MK 515)

10		
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PNP (FLS 100)

NOTE: The DIP switch pre-selection has to be carried out with the device unpowered.