



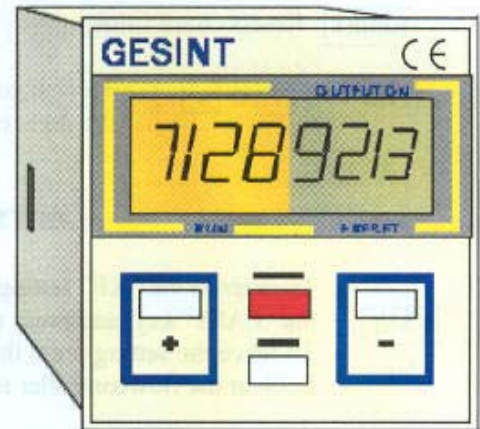
# FLOWCONTROLLER PRESELECTOR

GESINT.



## CONTROLLER MOD. C-21

This device is a normal pulse counter which appropriately modified and combined with a "FIP" flowmeter such as "FLS-100" or 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, backlit, indicating pre-selection values and output state. (4 digits for the pre-selection and 4 digits for the counter)
COUNT INPUT	Square wave 8-12 Vdc Max. speed 5 kHz of the flowcontroller or a normal relay contact with a 30 Hz max.
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.

SIZE (mm)	CONNECTION
<p>MEASURES FOR EMBED 45x45mm</p>	<p>1 = Auxiliary power +12 Vdc.            3 = Auxiliary power -12 Vdc.            2-10 = Power 24Vac (or others)            6 = input + of external sensor.            7 = input + of external reset.            11-8-9 = output 1 (end of count)            5-4 = output 2 (count)</p>

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### -PRE-SELECTION SETTING -

**+** "Add" button.

**-** "Minus" button.

**RESET** Resets count value

**FAST** + **(+ o -)** 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.

### -SETTING DIP SWITCHES -

1.- "KF" setting:

▶ "KF" setting locked.

◀ "KF" setting open.

4-5.- Scale indication led:



6-7.- Setting pulse length



9.- Speed of the entrance of the count impulses

◀ Max 30 Hz.

▶ Max 5 kHz (high speed).

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

### Example of C-21 controller connection to FLS-100 flowmeter

