

MCS allows to totalize pulses from a device like a flowmeter and print them on a ticket. It makes the system simple and cost attractive and eliminates the need for a PLC to perform the counting function.

The printing is launched by the activation of the PRINT signal, which can be a push button i.e, the 24v output of a remote equipment or the internal timer (for the monitoring of a quantity). The reset of the totalizer is done by the RESET signal.

MCS includes a clock that can be used for ticket time stamping purposes.

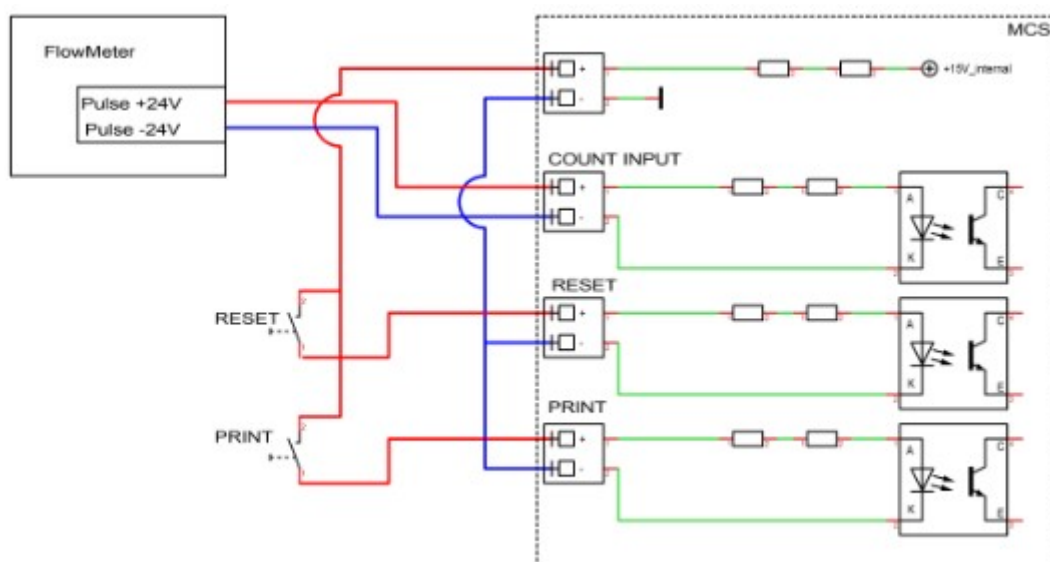
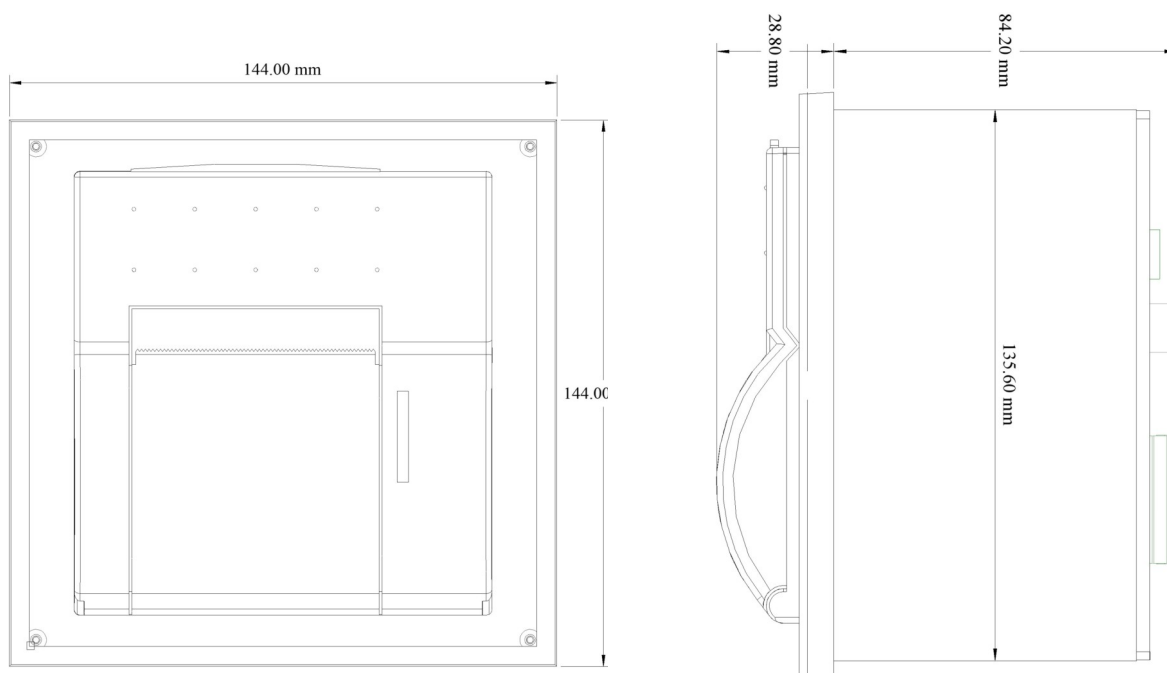
The printed message is configured at the time of the order, or by the user with the help of a software available on our website : it allows the modification of the printed messages : header, units ... and the scaling of the counted value with a formula like : $a \cdot X + b$.



- Pulse Counting
- Timestamp
- MCS-4562 : Supply 230 VAC
- MCS-4563 : Supply 9-40 VDC

Specifications

Supply	230 VAC / 10VA or 9 to 40VDC	
Paper	Width 58 mm, dot matrix printing	
Printing density	24 or 40 characters/line, graphic 240 dots/line	
Inputs Count, Print, Raz	Optocoupled, activated between 10 and 30VDC consumption for 30V : 15mA	
Counting frequency	10 kHz (on front)	
Counting	0 to 1048575 (on 20 bits)	
Count Conversion	Formula of type: $a \cdot X + b$ with a and b signed numbers : (a between -2000 and +2000 and b between -32768 and 32767) The whole is shifted by a factor of 10 between $10E^{+6}$ and $10E^{-6}$	
Customisable print ticket (Defined at the order or programmed by the user)	For example :	21/09/2017 10:23 Delivery 123 m3 Thanks for your order .
With formatting of the result printing	Up to 24 characters, Alignment to the right or to the left, Possibility between 0 and 6 decimals ,	123456 Litres 123456 Kg 123.456 mL
Dimensions	144x144x100 (110 with connectors)	



Connection: example with a flowmeter providing 24V pulses and 2 non-isolated push buttons

Accessories

Reference	Description
MDE-250-N	Black ink ribbon ,
MDE-250-V	Purple ink ribbon
MPA-NO -58-50-1	58 mm wide x Ø50 mm paper roll .
DK-USB-AB-1M	USB cable typ A to B . L: 1 meter
DK-USB-AB-1.80	USB cable typ A to B . L: 1,8 meter ,

Connectivity

Connectivity 230V	Plug-in 3 point terminal block at 7.62mm pitch (sheet included)
Connectivity 24V	Plug-in terminal block 2 points at 3.81mm pitch (sheet included)
Input Connectivity	Plug-in terminal block 8 points at 3.81mm pitch (sheet included)
USB	Type B (cable not supplied)



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