



A low cost electronic Counter which can be user programmed for single or quadrature input with scaling. The unit incorporates a 6 digit red LED display with programmable decimal point, in a DIN 96x48mm enclosure (panel cut-out size: 92x44mm). Choose your function from Chart (1), set front switches to required mode (2), Amend programme (3), set rear switches to required mode (4).

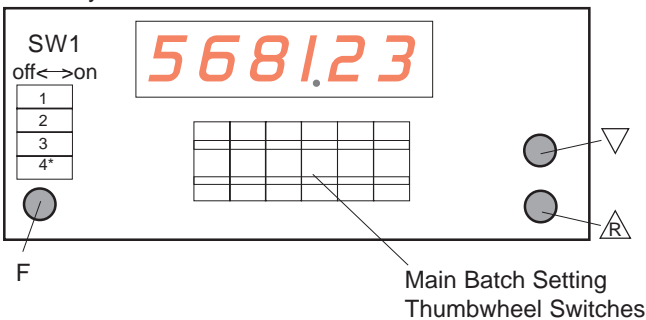
1

Internal Slide Selection Switch (SW1)	
Position	Function
1	ON: Two Phase Input OFF: Single Phase Input
2	ON: Decremental Counter OFF: Incremental Counter
3	ON: Multiplier OFF: Divider
4*	ON: Set Divider/Multiplier Value OFF: Run Mode

2

Switch Settings

Carefully remove front bezel to access controls.



3

Programme Settings

To Set a Decimal point: (All units).

Press and hold Δ . Then press 'F' button to move decimal point. 0, 1, 2 or 3 places of decimal can be selected.

To Set Pre-batch Value: (MFC102 only).

Pre-batch value (output 1) is the number of counts required before main batch operates. i.e 5 before, or 10 before etc. Once set, this figure will always stay the same, irrespective of how often final batch number is altered. Applies to both Up (Incremental) & Down (Decremental) counters. Press & release 'F'. Display will show PXXXXX, use Δ to raise value or ∇ to lower value. After setting, press 'F' twice to return to run mode (ignore tXXXXX).

To Set a Pulse Output Time: (MFC101/102 only).

Press & release 'F' button once for MFC101, or twice for MFC102, to show tXXXXX. use Δ to raise value or ∇ to lower value. After setting, press 'F' once to return to run mode. (Note that rear switch has to be in 'C' position).

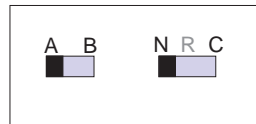
To set Divider/Multiplier Value: (All units).

With Switch 4* in ON position, Turn power off and then back on again. Press Δ to increase value or ∇ 1 to lower value. Once value has been set, return Switch 4 to OFF position and turn power off and then back on again.

4

Input Speed/Output Mode Selection

Rear Panel View



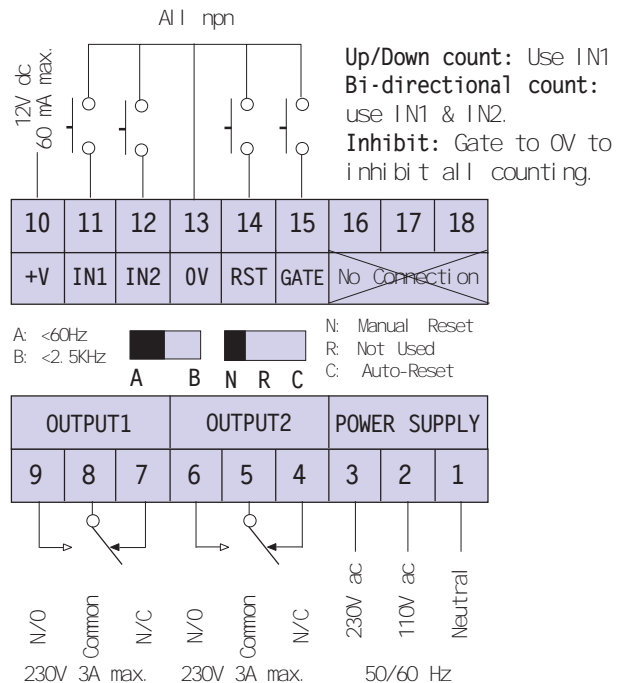
A: High Speed Input <2.5KHz
B: Low Speed Input <30Hz

N: Relay output latched until internal or external reset. (Manual Reset).

R: Not used.

C: Pulse output at batch. (Auto-Reset)

Connections



Note: MFC100 No outputs - MFC101 use output2
MFC102 use output1 (pre o/p) & output2 (main o/p)

Dimensions

