

# Flow Controller

## MFC-1058



## TECH SPECS

<b>Model</b>	MFC-1058						
<b>Dimension (HxWxD) mm</b>	96 x 96 x 54						
<b>Panel Cutout</b>	92 x 92						
<b>Input</b>	4-20mA DC/ Pulse Input (Factory Set)						
<b>Range</b>	0 To 99999999 total flow (DP Auto sift) 0 To 99999 Flow rate (DP Selectable)						
<b>Output</b>	<table border="0"> <tr> <td><b>Output 1</b></td> <td>2 Relay 1 C/O, 5A@230V AC</td> </tr> <tr> <td><b>Output 2</b></td> <td>0-10V DC, 4-20mA DC ( Retransmission Supply )</td> </tr> <tr> <td><b>Output 3</b></td> <td>24V DC,30mA DC <sub>(max)</sub> ( Transmitter Supply )</td> </tr> </table>	<b>Output 1</b>	2 Relay 1 C/O, 5A@230V AC	<b>Output 2</b>	0-10V DC, 4-20mA DC ( Retransmission Supply )	<b>Output 3</b>	24V DC,30mA DC <sub>(max)</sub> ( Transmitter Supply )
<b>Output 1</b>	2 Relay 1 C/O, 5A@230V AC						
<b>Output 2</b>	0-10V DC, 4-20mA DC ( Retransmission Supply )						
<b>Output 3</b>	24V DC,30mA DC <sub>(max)</sub> ( Transmitter Supply )						
<b>Power Supply</b>	100-250V AC, 50/60 HZ						

## APPLICATIONS

Water Sewage Plant

Chemical & Pharma

# Technical Specifications

## Input

Input Type	Current Voltage	4 to 20mA DC ( Linear ) 0 to 10V DC ( Linear ) Pulse Input ( Linear )
Accuracy		± 1% of FSD
ADC Resolution		14 bits
Display Resolution		Current : 1 mA Voltage : 1 V
Sample Rate		1 Second
Response Time		1 Second
Temperature Coefficient		< 100 ppm

## Display & Keys

Display		2 line, 7 segment LED display Upper display : 8 digit, 0.4" Lower display : 5 digit, 0.4"
Rate Indication Range		Range Programmable 0-99999
Decimal Point		Adjustable
Totalizing Range		0-99999999
Keys		4 Keys : SET, UP, DOWN, ENTER / RESET

## Power Supply

Standard		100 - 250V AC @ 50/60 Hz
Optional		24V DC
Consumption		4VA

## Environmental

Operating Temperature		0 to 55° C
Storage Temperature		0 to 70° C
Humidity		95% RH Non-condensing
Protection		IP 65 ( Front Side )

## Output

<b>Relay Control Output</b>	
2 Relays	Programmable for Flow Rate Or Total Flow
Relay	2 ( NO - C - NC )
Rating	5A @230V AC / 28V DC Resistive Load
Transmitter Supply	24V DC, 30mA DC ( max )
<b>Analog Output (Retransmission)</b>	
Current	Isolated 4 to 20mA DC
Voltage	0 to 10V DC

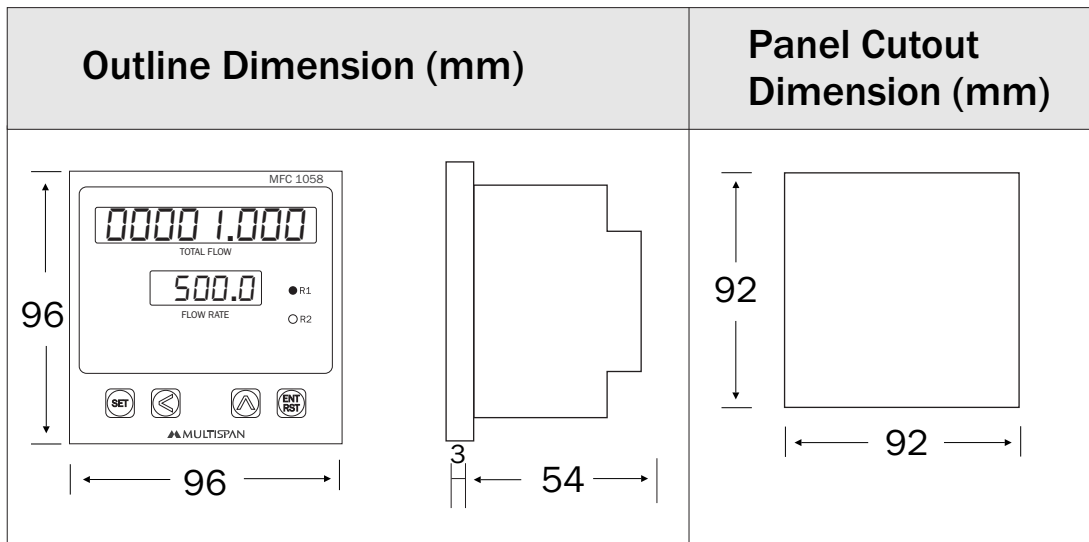
## Communication

Type	RS 485
Protocol	MODBUS RTU
Baud Rate	4800, 9600, 19200
Isolation	2500 V <sub>RMS</sub> Isolation as per UL 1577

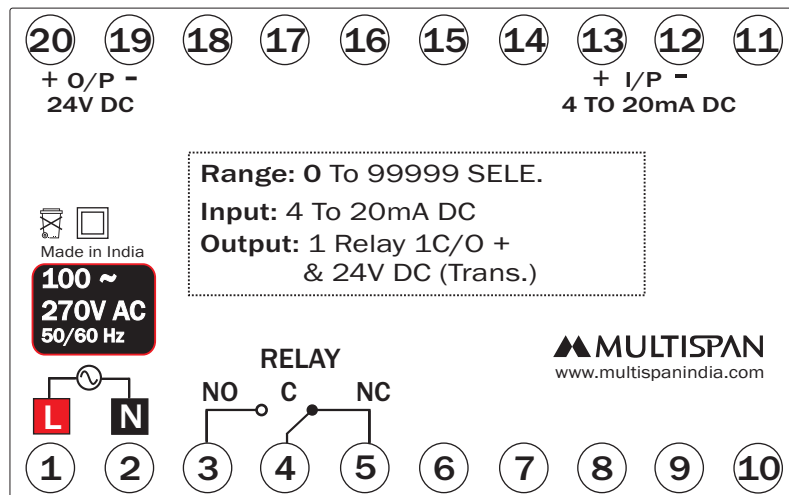
## Physical

<b>MFC-1058</b>	
Mount	Panel
Enclosure	Molded ABS
Weight	190gm
Color	Black
Front Bezel ( mm )	96 x 96
Panel cutout ( mm )	92 x 92
Depth behind panel	55 mm
Accessories	1 pair of Mounting clamp
Terminal Cable Size	Barrier Type terminal Cable Size ( 2.5 mm <sup>2</sup> )

## Mechanical Dimension



## Terminal Diagram



We reserve the right to change specifications without prior notice. Printing and typographical errors reserved.

Product improvement and upgrade is a constant procedure. So for more updated operating information & support contact us.