

Flow Controller

MFC-1048P



TECH SPECS

| | | | | | | | | | |
|-----------------------------|--|----------|---------------------------|----------|---|----------|---|----------|--------|
| Model | MFC-1048P | | | | | | | | |
| Dimension (HxWxD) mm | 96 x 96 x 52 | | | | | | | | |
| Panel Cutout | 92 x 92 | | | | | | | | |
| Input | 4-20mA DC/ Pulse Input (Factory Set) | | | | | | | | |
| Range | 0 To 99999999 total flow (DP Auto sift) 0 To 9999 Flow rate (DP Selectable) | | | | | | | | |
| Output | <table border="0"> <tr> <td>Output 1</td> <td>2 Relay 1 C/O, 5A@230V AC</td> </tr> <tr> <td>Output 2</td> <td>0-10V DC, 4-20mA DC (Retransmission Supply)</td> </tr> <tr> <td>Output 3</td> <td>24V DC,30mA DC (max) (Transmitter Supply)</td> </tr> <tr> <td>Output 4</td> <td>Modbus</td> </tr> </table> | Output 1 | 2 Relay 1 C/O, 5A@230V AC | Output 2 | 0-10V DC, 4-20mA DC (Retransmission Supply) | Output 3 | 24V DC,30mA DC (max) (Transmitter Supply) | Output 4 | Modbus |
| Output 1 | 2 Relay 1 C/O, 5A@230V AC | | | | | | | | |
| Output 2 | 0-10V DC, 4-20mA DC (Retransmission Supply) | | | | | | | | |
| Output 3 | 24V DC,30mA DC (max) (Transmitter Supply) | | | | | | | | |
| Output 4 | Modbus | | | | | | | | |
| Power Supply | 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 |
| 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 : 4 digit, 0.4" |
| Rate Indication Range | Range Programmable 0-9999 |
| 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 |

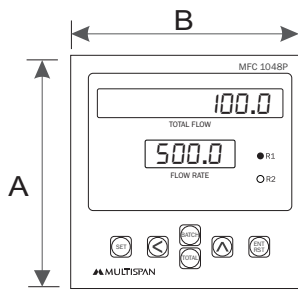
| Environmental | |
|-----------------------|-----------------------|
| Operating Temperature | 0 to 55 °C |
| Storage Temperature | 0 to 70 °C |
| Humidity | 95% RH Non-condensing |
| Protection | IP 65 (Front Side) |

| Output | |
|--------------------------------|---|
| Relay Control Output | |
| 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) |
| Analog Output (Retransmission) | |
| Current | Isolated 4 to 20mA DC |
| Voltage | 0 to 10V DC |

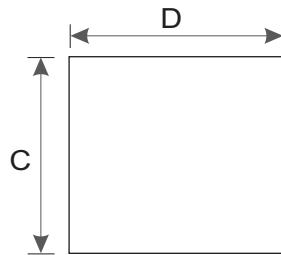
| Communication | |
|---------------|---|
| Type | RS 485 |
| Protocol | MODBUS RTU |
| Baud Rate | 4800, 9600, 19200 |
| Isolation | 2500 V _{RMS} Isolation as per UL 1577 |

| Physical | |
|---------------------|---|
| Mount | Panel |
| Enclosure | Molded ABS |
| Weight | 190gm |
| Color | Black |
| Front Bezel (mm) | 96 x 96 |
| Panel cutout (mm) | 92 x 92 |
| Depth behind panel | 52 mm |
| Accessories | 1 pair of Mounting clamp |
| Terminal Cable Size | Barrier Type terminal Cable Size (2.5 mm ²) |

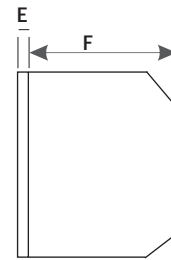
Mechanical Dimension



FRONT VIEW



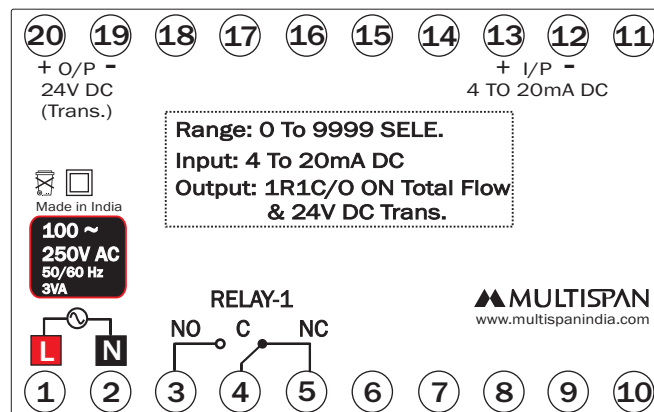
PANEL CUTOUT



SIDE VIEW

| MODEL | A | B | C | D | E | F |
|------------|------|------|------|------|-----|------|
| DIMENSIONS | 96mm | 96mm | 92mm | 92mm | 3mm | 52mm |

Connection Diagram



Multispan reserves 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.

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