

# Flow Differential Pressure Module

## Specifications

### Inputs

- 12 -24VDC, 300 mA (Power), AC/DC Converter
- Flow Rate Input: 0-8 Volts Minimum (24 Volts Max)
- One of the Following:
  - 2 Pressure Transducers: 4 -20 mA
  - 1 Differential Pressure Transducer: 4 -20 mA

### Deadman Switching Relay

- 3A @250 VAC Max

### Weight

- 4 pounds (1.8 kg)

### Safety/Compliance

- IP 65
- NEMA 4X
- ATEX Directive Class 1 Zone 2 Group D

### Visual Outputs/Indicators

- Interactive Touch Screen
- Daylight Readable
- Optional Amber Light: Warning Indicator
- Optional Red Light: Critical Indicator
- Corrected Differential Pressure
- Actual Differential Pressure
- Flow Rate
- Peak Corrected and Actual Differential Pressure
- Real-Time Corrected Differential Pressure Charting
- Sudden DP Rise or Drop Alarm

### Data Logging

- Removable Micro SD Card (Included)
- >36 Months Data (MS Excel Compatible)
- 60 Second Logging Interval (User Configurable)
- Data Download via USB (Optional)

### Data Outputs

- RS232 (ASCII Serial Data Stream)

### Measurement Units

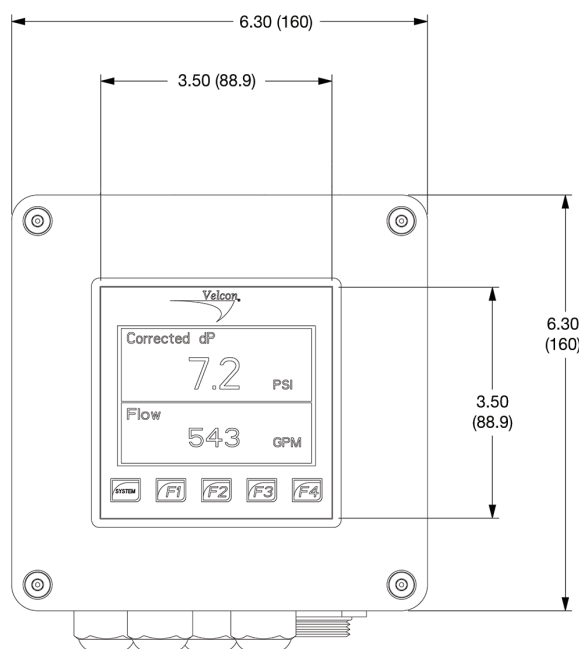
- psi, US gpm
- bar, lpm

### Alarm triggers

- Warning Alarms (Amber Light)
  - 12 psi or 0.8 bar (User Configurable)
  - Pressure Greater than the System Rating
  - Change in DP (User Configurable)
- Critical Alarms (Red Light)
  - External Switch Relay (Deadman)
  - 15 psi or 1.0 bar (User Configurable)
  - Change in DP (User Configurable)

## Dimensions

in. (mm)



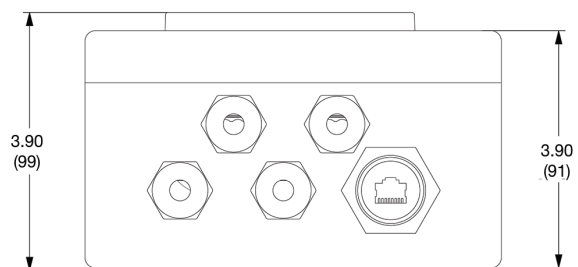
Front View

## Ordering Information

| Part Numbers | Description          |
|--------------|----------------------|
| FDPM-MKII    | FDPM Unit            |
| 764X021      | Pressure Transducers |

## Options

- Pressure Sensors
  - 2x Pressure Transducers - Class I Division I
  - 1x Differential Pressure Transducers - Class I Division I
  - 1x Differential Pressure Transducers - IP65 NEMA 4



Bottom View