FLO CORP

FloSentry™ MFFS3

SINGLE OR DUAL ALARM SYSTEM

DESCRIPTION

Compatible with all MEMFlo flow meters, FloSentry 3™ flow switch is a great choice for a variety of single or dual alarm applications. FloSentry 3™ provides a high/low or high and low level switch with a dry contact relay output and is DC powered. This alarm system can be added to most MEMFlo flow devices to provide intelligent process automation as well as safety capabilities. The red LED alert light brings immediate attention to process conditions. Typical applications include process lube oil flow, gas flows, biodiesel fuel manufacturing, chemical processing, biomedical, coolant system, water and wastewater treatment facilities.

FEATURES & BENEFITS

- Adds reliable alarm switching to most MEMFlo flow meter models
- Warns of undesired flow deviations in process lines such as seal water, coolants, water and waste treatment, lubrication, boiler feed water & anneasling atmospheres
- Reliable single or dual alarm
- Non-contacting electronics - electronics never come in contact with the flow media
- Easy access for switch adjustment without interrupting flow meter operation
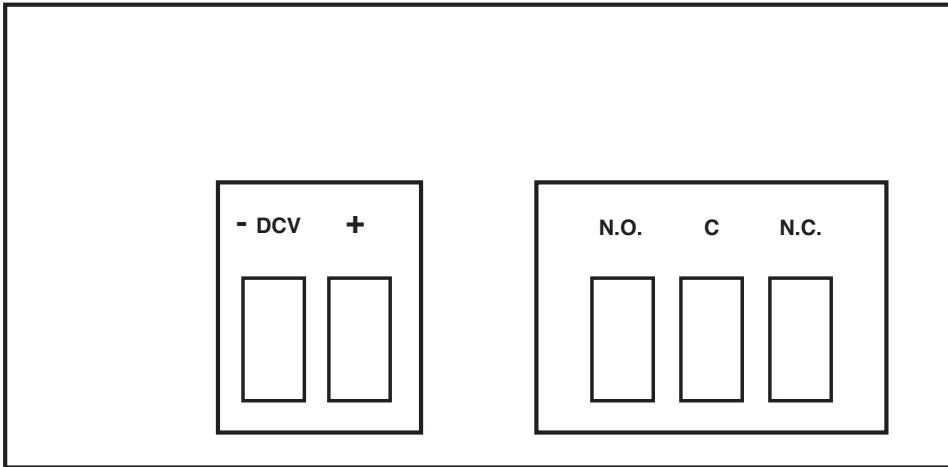
SPECIFICATIONS

Switching Type	Relay for connection to contact inputs of a PLC or audible or visual alarm, Solenoid Valve or any device using a Form C - Dry Contact
Single or Dual Relay Option	N.O or N.C 10 amp rated Form C
Supply Voltage	10 – 31 VDC
Load Current Max	250 mA
Voltage Drop	<1 V
Power Consumption Max	825W
Protection Class	NEMA 4X or NEMA 7 Cl 1, Div. 1 IP66/67

Note: Please Consult Factory for Special Requirements

BASIC OPERATION

MEMFlo FloSentry 3™ flow switch consists of two main componenets - the MEMFlo flow meter and the FloSentry 3™ switch assembly. FloSentry 3™ is a single or dual alarm set point. The Hall Effect Sensor is enclosed in a field enclosure rated either NEMA 4X or NEMA 7, depending upon the area classification. The sensor is then mounted over the MEMFlo flow meters measuring tube. The assembly can be adjusted either up or down depending on high flow switching or low flow switching.
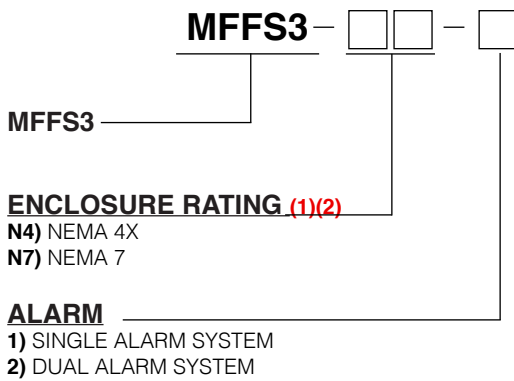
WIRING

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Ordering Information

FLO-CORP MODEL NUMBER BUILDER

Use the diagram below, working from left to right to construct your FLO-CORP Model Number.
Simply match the category number to the corresponding box number.

Example: MFFS2-N4   *FloSentry 3™ with NEMA 4X Enclosure Rating*

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MFFS3

ENCLOSURE RATING (1)(2)
N4) NEMA 4X
N7) NEMA 7

ALARM
1) SINGLE ALARM SYSTEM
2) DUAL ALARM SYSTEM

DUAL ALARM

SINGLE SENSOR

Ordering Notes:
(1) Please note that this device can ONLY be used in addition to a MEMFlo Flow Meter.
(2) If ordering this device for an existing MEMFlo meter, please contact factory with flow range.