

* MODEL MFD-P1 SENSOR *

MEDIA FLOW DETECTOR for Pressure Type Abrasive Blasting



- * All types of media flow
- * No moving parts
- * Relay contact output
- * 24Vdc supply
- * Push button setup
- * LED indicators

The Model MFD-P1 Media Flow Detector uses a charge coupled amplifier connected to a sensing ring placed in the flow path of any abrasive blasting media. Each particle passing the ring shares a minute charge with the ring and this is then converted to a voltage used to activate the output relay contact.

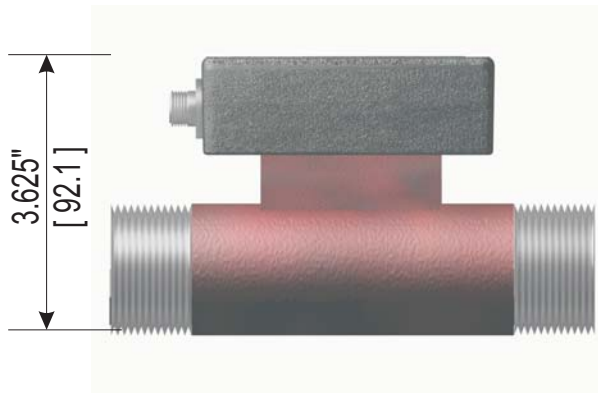
Setup has been simplified with this latest generation technology. The zero and span function is automatic, just push the "zero" button to acquire zero for the no-flow condition and then push the "flow" button to set the sensor gain and activate the relay. The relay contact will activate whenever the flow is 50-100% of the programmed setting.

The MFD is enclosed in a 3.6 x 1.5 x 1.5 aluminum housing and is attached to a sensing ring in mounting base. The mounting base is available in various sizes to fit most abrasive blast machine configurations. The 6-pin plug allows for easy connection of the sensor to the power supply and machine controls.

The sensor is placed in the blast hose near mixing chamber. Led's on the top of sensor indicate either green for "Flow OK" or red for "No Flow". The internal relay is activated during green "Flow OK".

ELECTRONICS INCORPORATED
SHOT PEENING CONTROL TECHNOLOGY

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MODEL #	EI P/N	PIPE SIZE
MFD-P1	999378	1-1/4" NPT

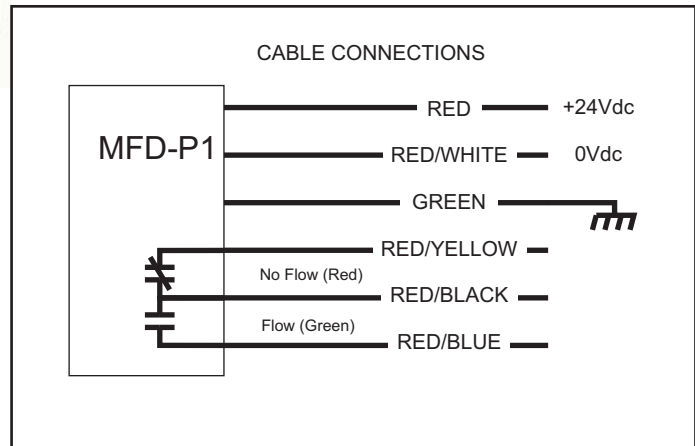
Different size available upon request

Specifications

Size - ID : 0.75"
 Output: form "A" relay contact
 30 Vdc @ 1 A
 115 Vac @ 0.3A
 Input : 24Vdc @ 0.060A
 Indicators: Yellow - Power OK
 Red led - No Flow
 Green led - Flow

Note: Cable is ordered separately
 3 lengths are available

SIZE	EI P/N	HUBBLE P/N
2 Meter	940010	MCMS2612
4 Meter	940011	MCMS2614
5 Meter	940012	MCMS2615



Directions:

Apply 24 Vdc power - the yellow power led should be lit.

Push the "No Flow" button to acquire the no-flow signal.

Push the "Flow" button while you are flowing media to acquire the "flow" signal.

The relay will transfer (close contact) during the "flow" condition (green led "ON").

Whenever the flow signal is less than 50% of the acquired "flow" signal the relay will deactivate (red led "ON").