

E200NF Series Electric Flow Indicator

Application - Flow Indicator; WP up to 5000 psig

- Paddle operated Electric Indicator of Liquid or Gas flow or no flow in piping systems
- Provides Electric Switch input for control systems, alarms or other operations
- Liquid Flow indicated at 1.0 ft./sec and greater; No flow indicated at less than .75 ft./sec
- Direct mounting inside vessel or pipe

Features and Benefits of the Pathway E200NF

- Manual Override available for in-service Field Testing
- 316 SS wetted components for Durability and Corrosion Resistance
- Single Seal Application Approved
- Wide variety of Paddle lengths to meet most applications
- No Internal Seal on standard body thus eliminating the possibility of process fluid leakage
- Hermetically Sealed Switch Cartridge to protect Integrity of Switch Contacts
- SPST and SPDT Switch Cartridges in Standard and Light Load Ratings
- Few Moving Parts for Reduced Maintenance and long term Performance
- Excellent Serviceability and Quick Replacement of Electric Switch Cartridge
- Simply Rotate the device to change flow sensing direction
- Relay Assembly in Explosion Proof enclosures for DPDT and Higher Amperage service



E200NF Common Options

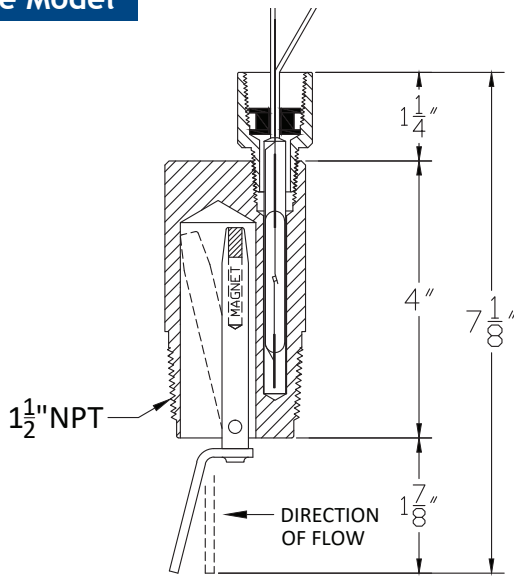
- 316 SS and 304 SS flanged connections
- Variety of paddle lengths
- Light Load switch for PLC and low wattage applications
- Relay for DPDT and Higher Amperage
- Annulus plug for use with sediments
- TFE coating
- SS Lanyard & Tag

Benefits of ALL Pathway Control Products

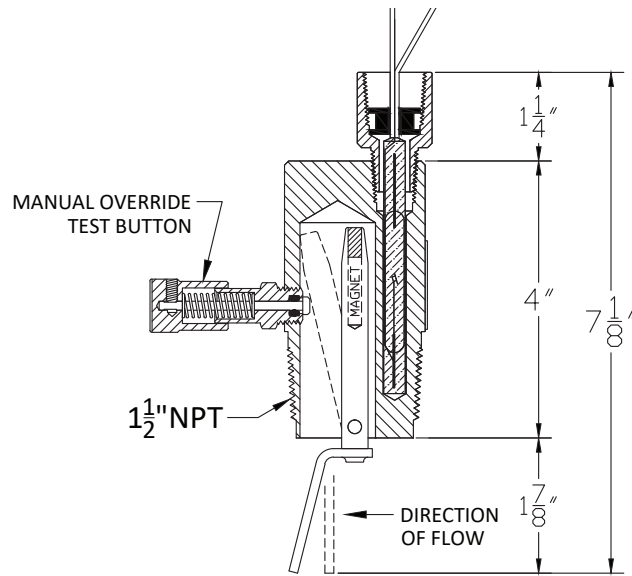
- Personalized service and support expertise
- Responsive On-time Delivery
- Time-tested & proven design providing Dependable, Long-term service
- Made in USA

E200NF Series Electric Flow Indicator

Sample Model



E200NF-01-00



E200NF-21-00

Specifications

Working Pressure: 5000 psig; 1500 psig with manual override

Temperature: -40° F to +392° F

Switch Rating:

SPST and SPDT:

Standard Load:

250V – 0.40A resistive, 120V – 0.83A resistive, 24V – 3.0A resistive;
3.0A maximum in-rush capability; 4 watts minimum for proper switching

Light Load:

150V – 0.17A resistive, 110V – 0.23A resistive, 24V – 1.0A resistive;
1.0A maximum in-rush capability; 0.1 watts minimum for switching

Materials:

316 Stainless Steel Wetted components; Hermetically sealed reed switch

Process Connections:

1½" NPT, 2" NPT, 2" flanged or larger

Electrical Connections:

½" NPT conduit

Certification:

CSA: Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G;
Class III, Div. 1 to USA & Canada Standards; (rating with relay
enclosure Class I, Div. 1&2, Groups C,D; Class II, Div. 1, Groups
E,F,G; Class II, Div. 2, Groups F,G; Class III)
CSA: Single seal applications per ANSI/ISA 12.27.01-2003

E200NF Series

Electric Flow Indicator

Ordering Chart Example:

E200NF- 0 1 - 0 0

(#) Option #, see Special Materials & Features below

E200NF SERIES
Electric Level Control

BODY STYLE	
0	1½" NPT
1	2" NPT
2	1½" NPT, manual override*
4	2" NPT, manual override*
*WP 1500 psig on manual override	

PADDLE LENGTH	
1	1½" standard paddle length
2	2" paddle length
3	3" paddle length
4	4" paddle length
6	6" paddle length
7	7" paddle length
8	8" paddle length
9	9" paddle length
0	10" paddle length

SWITCH SELECTION	
0	SPST standard load
1	SPDT standard load
2	SPST light load
3	SPDT light load
4	SPST standard load, 36" lead wires
6	SPDT standard load, 36" lead wires

Other (as needed, add to end of model number)

0	No other options selected
2	Annulus Plug
3	Relay assembly general purpose plug-in, 24 VDC DPDT 10 Amp
4	Relay assembly general purpose plug-in, 120VAC DPDT 10 Amp
7	Relay assembly general purpose plug-in, 240VAC DPDT 12 Amp
8	Relay assembly hermetically sealed plug-in, 24 VAC DPDT 12 Amp
9	Relay assembly hermetically sealed plug-in, 120VAC DPDT 12 Amp
5	Customer Specified Requirements <i>For Example:</i> <i>Stainless steel flanged connection (304 SS & 316 SS)</i> <i>Custom Paddle length (specify)</i> <i>Reinforced Paddle for high velocity flow</i> <i>ID tag with lanyard (304 SS & 316 SS)</i>

SPECIAL MATERIAL & FEATURES

5	Used by Pathway to indicate custom material and/or feature. Placed in model number in the position it relates to (eg. float/displacer, float arm extension, etc.). When used, an option number will be assigned by Pathway (see below)
(#)	Option # (in parentheses at end of model number) Pathway will assign option number unique to custom material and/or features