

E200 Series – Manual Override Electric Level Control Switch

Application – High & Low Liquid Level Control; Working Pressure 1500 psig

- Electric float-actuated Switch for High & Low Liquid Level Control and Interface Control
- Provides easy in-service testing
- Electric Switch input for control systems, alarms or other switch operations
- Low Specific Gravity of .4 and above
- Interface as low as .1 Specific Gravity differential
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels
- Direct mounting inside vessel or external non-ring bolted Cage for liquid level controls



Features of the E200 with Manual Override

- Durable, Dependable 316 SS wetted components for corrosion resistance
- Explosion Proof Certification by CSA to USA and Canada Standards (see below)
- Hermetically Sealed Switch Cartridge for protection against dirt, liquids, and corrosion
- Design limits the possibility of process fluid leakage into the surrounding environment
- Displacer options to meet various Pressure, S.G. and Interface applications
- Relay assembly options for a variety of electrical connections

Specifications

Working Pressure:	Pressures up to 1500 psig				
Temperature:	-40° F to +392° F				
Specific Gravity:	0.4 minimum; interface 0.1 differential minimum				
Switch Rating:	<table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td style="font-size: 2em; vertical-align: middle;">}</td> <td>250 V – 0.4 Amp resistive, 120V – 0.83 A resistive, 24V – 3.0 A resistive. 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.</td> </tr> <tr> <td style="font-size: 2em; vertical-align: middle;">}</td> <td>SPDT optional</td> </tr> </table>	}	250 V – 0.4 Amp resistive, 120V – 0.83 A resistive, 24V – 3.0 A resistive. 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.	}	SPDT optional
}	250 V – 0.4 Amp resistive, 120V – 0.83 A resistive, 24V – 3.0 A resistive. 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.				
}	SPDT optional				
Materials:	316 Stainless Steel Wetted components; other corrosion resistant material options				
Connections:					
Process:	1 1/2" NPT standard, available 2" NPT, 3" flanged or larger				
Electrical:	1/2" 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				

Specific Benefits of the Pathway E200 Manual Override

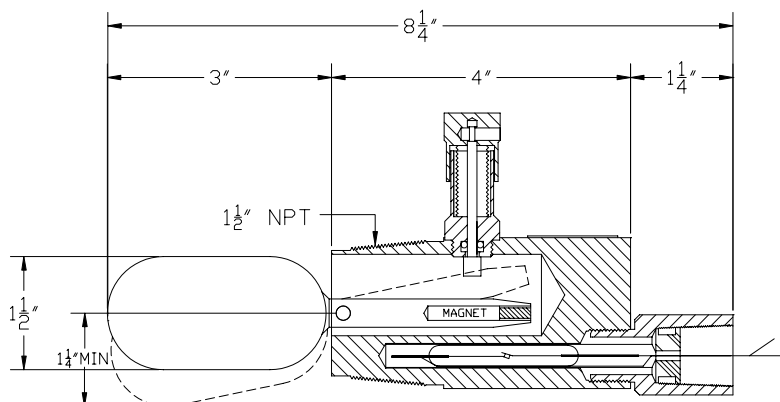
- Ease of field testing
- Economical easy to use small-float installation
- Excellent Serviceability including Quick Replacement of Electric Switch Cartridge

Benefits of ALL Pathway Control Products

- Personalized service and support expertise
- Time-tested & proven design providing dependability and reliability in the field
- Custom applications welcomed to meet your needs
- Quality built in
- Responsive, On-time delivery

E200 Series – Manual Override Electric Level Control Switch

Specifications: High & Low Liquid Level Control; working pressure 1500 psig



Ordering Chart:

E200 Series: Electric Level Control Switch	→	Example:
E200C: External cage added, ring bolted (use body style 0)		E200-
Body Style:		
0 Standard body 1 1/2" NPT; ring bolt on E200C	→	2
1 2" NPT		
2 1 1/2" NPT, manual override		
3 Extended body, 2" NPT, vertical displacer (type 9)		
4 2" NPT, manual override		
6 Extended body, 2" NPT, manual override, vertical displacer (type 9)		
7 Extended body, 2" NPT, horizontal displacer (type 9)		
8 Extended body, 2" NPT manual override, horizontal displacer (type 9)		
Displacer Type:		
1 Standard 316 SS float	→	1
2 High pressure 5000 psi polypropylene displacer, +180° F maximum temperature; specific gravity 0.6 min.		
3 Interface, 5000 psi polypropylene displacer, +180° F maximum temp. upper fluid less than .870 specific gravity; lower fluid more than .970 S.G. Customer to specify S.G. as needed for both upper and lower		
4 High pressure 5000 psi polypropylene displacer, +180° F maximum temperature, specific gravity 0.5 minimum		
9		
Switch selection:		
0 SPST standard	→	0
1 SPDT optional		
Other:		
0 No other options selected	→	0
2 Annulus plug		
3 Relay assembly general purpose plug-in, 24VDC DPDT 16 Amp		
4 Relay assembly general purpose plug-in, 120VAC DPDT 16 Amp		
7 Relay assembly general purpose plug-in, 240VAC DPDT 16 Amp		
8 Relay assembly hermetically sealed plug-in, 24VDC DPDT 12 Amp		
9 Relay assembly hermetically sealed plug-in, 120VAC DPDT 12 Amp		
5 Customer Specified Requirements (such as flange size)		
Other Options () Assigned based upon Customer Specific requirements		

Example as Selected

E200 - 21 - 00