

## E200 Series Electric Level Control Switch

### Application – High & Low Liquid Level Control; WP 1500 psig to 5000 psig

- Electric float-actuated Switch for High & Low Liquid Level Control and Interface Control
- Provides 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 float Cage



### Features of the E200

- Durable, Dependable 316 SS wetted components standard for corrosion resistance
- Explosion Proof Certification by CSA to USA and Canada Standards (see below)
- Hermetically Sealed Switch Cartridge for added protection against dirt, dust, liquids and for corrosion prevention of contacts
- Design ensures no leakage of process fluid into the surrounding environment with no need for seals; all adding to Safety
- Displacer options to meet various Pressure, S.G. and Interface applications
- Relay assembly options for a variety of electrical connections

### Specifications

Working Pressure:	1500 psig; available up to 5000 psig				
Temperature:	-40° F to +392° F				
Specific Gravity:	0.4 minimum; interface 0.1 differential minimum				
Switch Rating:	<table border="0" style="border-left: 1px solid black; border-right: 1px solid black;"> <tr> <td style="padding-left: 5px;">SPST standard</td> <td style="padding-left: 5px;">} 250 V – 0.40 resistive, 120V – 0.83 resistive, 24V – 3.0 resistive.</td> </tr> <tr> <td style="padding-left: 5px;">SPDT optional</td> <td style="padding-left: 5px;">} 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.</td> </tr> </table>	SPST standard	} 250 V – 0.40 resistive, 120V – 0.83 resistive, 24V – 3.0 resistive.	SPDT optional	} 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.
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SPDT optional	} 3.0 amp maximum in rush capability. 5 watts minimum required for proper switching. Hermetically sealed switch.				
Materials:	316 Stainless Steel Wetted components; other corrosion resistant material options				
Connections:					
Process:	1 1/2" NPT standard, available 2" NPT, ring bolt on E200C; 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

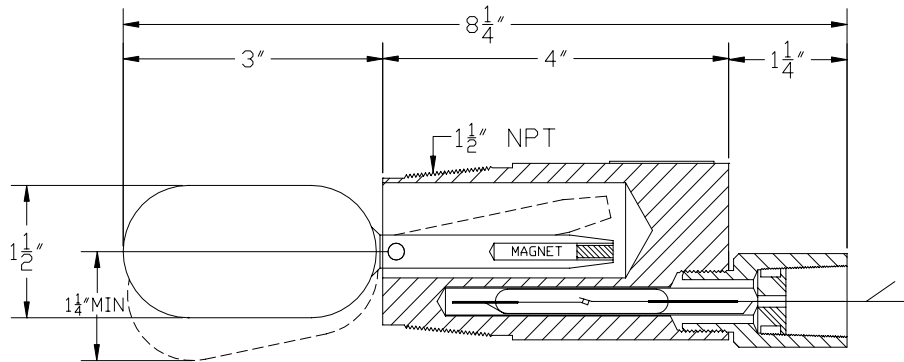
- Economical easy to use small-float installation
- Normally open or closed operation by simply inverting the Level Control unit (on SPST)
- Excellent Serviceability including Quick Replacement of Electric Switch Cartridge

### 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 Electric Level Control Switch

**Specifications:** High & Low Liquid Level Control; working pressure 1500 psig to 5000 psig



### Ordering Chart:

E200 Series: Electric Level Control Switch

E200C:

External cage added, ring bolted (use body style 0)

Body Style:

- |   |  |
|---|--|
| 0 | Standard body 1 1/2" NPT; ring bolt on E200C                         |
| 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   |
| 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   |

Switch selection:

- |   |               |
|---|---------------|
| 0 | SPST standard |
| 1 | SPDT optional |

Other:

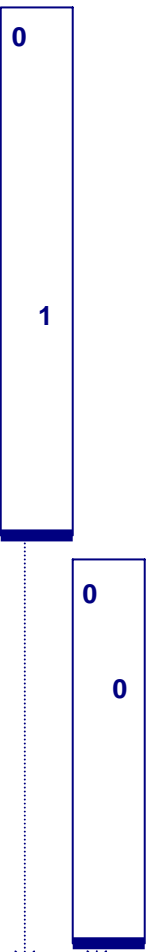
- |   |  |
|---|--|
| 0 | No other options selected                                      |
| 2 | Annulus plug   |
| 3 | Relay assembly general purpose plug-in, 24VDC DPDT 12 Amp      |
| 4 | Relay assembly general purpose plug-in, 120VAC DPDT 12 Amp     |
| 7 | Relay assembly general purpose plug-in, 240VAC DPDT 12 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:

**E200-**



**Example as Selected**

**E200 - 01 - 00**