

EV200 Series Electric Vertical Level Control Switch

Application - High & Low Liquid Level Control; WP 250 psig

- Float-actuated Electric Vertical Switch for High or Low Liquid Level Control
- Provides Electric Switch input for control systems, alarms or other switch operations
- Low Specific Gravity of 0.7 and above
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels
- 316 stainless steel construction for use with most liquids

Features and Benefits of the Pathway EV200

- 316 SS wetted components for Durability and Corrosion Resistance
- Explosion Proof Certification by CSA to USA and Canada Standards
- Single Seal Application Approved
- Hermetically Sealed Reed Switch Cartridge to protect Integrity of Switch Contacts
- SPST and SPDT Switch Cartridges in Standard and Light Load Ratings
- No Internal Seal thus eliminating the possibility of process fluid leakage
- Normally Open or Normally Closed Operation available
- Float options and Float Arm extensions to meet most applications
- Few Moving Parts for Reduced Maintenance and long term Performance
- Excellent Serviceability including Quick Replacement of Electric Switch Cartridge
- Relay Assemblies in Explosion Proof enclosures for DPDT and Higher Amperage service

EV200 Common Options

- 316 SS and 304 SS flanged connections
- Variety of float arm extensions and float sizes and shapes
- Float arm turbulence protective guide
- Light load switch for PLC and low wattage applications
- Relay for DPDT and higher amperage
- TFE coating
- SS Lanyard & tag

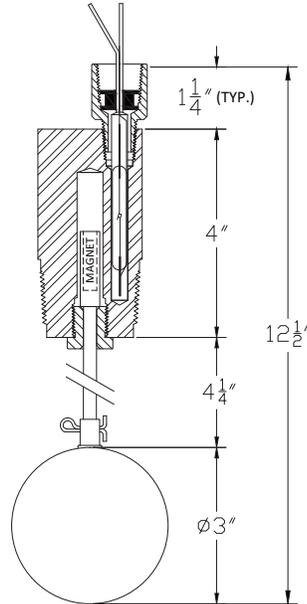
Benefits of ALL Pathway Control Products

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

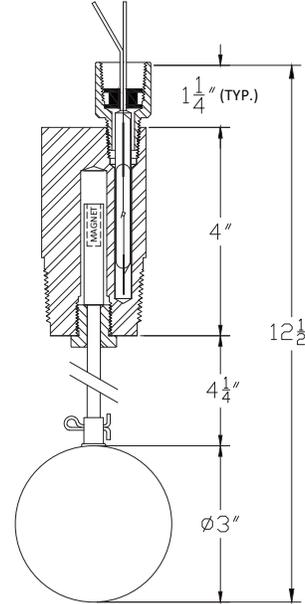


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Sample Models



EV200-01-00



EV200-21-00

Specifications

Working Pressure:	250 psig max
Temperature:	-40° F to +392° F
Specific Gravity:	0.7 minimum
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 Connection:	1½” NPT, 2” NPT, 2” flanged or larger
Electrical Connection:	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

EV200 Series

Electric Vertical Level Control Switch

Ordering Chart Example:

EV200- 2 1 - 2 0

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

EV200 SERIES
Electric Vertical Level Control

BODY STYLE	
0	1½" NPT, Normally Open
1	2" NPT, Normally Open
2	1½" NPT, Normally Closed
3	2" NPT, Normally Closed

FLOAT/DISPLACER TYPE	
1	3" O.D. 316 SS standard float with 4" float arm
2	3" O.D. 316 SS float, extended arm 4" to 12" (specify arm length)
3	3½"x6" 316 SS float, extended arm 12" to 36" (specify arm length)
4	5½" O.D. 316 SS float, extended arm 36" to 72" (specify arm length)
6	5½" O.D. 316 SS float, extended arm 72" to 96" (specify arm length)

Other (as needed, add to end of model number)	
0	No other options selected
1	Float arm turbulence protective guide
3	Relay assembly general purpose plug-in, 24VDC 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, 240VAC DPDT 12 Amp
9	Relay assembly hermetically sealed plug-in, 120VAC DPDT 12 Amp
5	Customer Specified Requirements <i>For Example:</i> Stainless steel flanged connection (304 SS & 316 SS) Custom float arm extension (specify length) Custom float sizes Weld SS float to float arm ID tag with lanyard (304 SS & 316 SS)

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

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