**EV200 Series**
**Electric Vertical Level Control Switch**

**Application – High & Low Liquid Level Control; WP 250 psig**
- Float-actuated Electric Vertical Switch for High & Low Liquid Level Control
- Provides Electric Switch input for control systems, alarms or other switch operations
- Low Specific Gravity of .7 and above
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels

**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 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
- 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

**Specifications**
- **Working Pressure:** 250 psig
- **Temperature:** -40°F to +392°F
- **Specific Gravity:** 0.7 minimum
- **Switch Rating:**
  - **SPST and SPDT**
    - 250V – 0.40A resistive, 120V – 0.83A resistive, 24V – 3.0A resistive; 3.0A maximum in-rush capability; 4 watts minimum for proper switching
  - **SPST and SPDT 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 standard, 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 Common Options**
- 316 SS and 304 SS flange
- Variety of float extensions and floats
- Float arm turbulence protective guide
- SPST extended leads
- Relay for DPDT and Higher Amperage

**Benefits of ALL Pathway Control Products**
- Personalized service and support expertise; Responsive, On-time Delivery
- Time-tested & proven design providing Dependable, Long-term service
**EV200 Series**

*Electric Vertical Level Control Switch*

**Dimensions:**

![Diagram of Level Control Switch]

**Ordering Chart:**

**EV200 Series**: Electric Vertical Level Control Switch; WP 250 psig

**Body Style:**

0  1½" NPT, standard body, normally open
1  2" NPT, normally open
2  1½" NPT, normally closed
3  2" NPT, normally closed

**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 length)
3  3½" x 6", 316 SS float, extended arm 12" to 36" (specify length)
4  5½" O.D. 316 SS float, extended arm 36" to 72" (specify length)
5  5½" O.D. 316 SS float, extended arm 72" to 96" (specify length)
6  Optional float sizes and float arm extensions (Customer to specify)

**Switch selection:**

0  SPST Standard load
1  SPDT Standard load
2  SPST Light load
3  SPDT Light load

**Other:**

0  No other options selected
1  Float arm turbulence protective guide
2  Relay assembly general purpose plug-in, 24VDC DPDT 12 Amp
3  Relay assembly general purpose plug-in, 120VAC DPDT 12 Amp
4  Relay assembly general purpose plug-in, 240VAC DPDT 12 Amp
5  Relay assembly hermetically sealed plug-in, 24VDC DPDT 12 Amp
6  Relay assembly hermetically sealed plug-in, 120VAC DPDT 12 Amp
7  Customer Specified Requirements (see EV200 common options)

**Example as Selected**

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