Economical Rotary Paddle Level Control, Top or Side Mounting for Dry Bulk Materials

Summary:
- **Features**:
  - Magnetic drive that isolates and completely seals the control head from the process and environment preventing material or dust from entering the control head.
  - Motor shuts-off when paddle stalls increasing motor life, preventing motor burnout, and decreasing power usage.
  - Slip clutch design enabled by the magnetic drive that prevents damage to motor and drive mechanism from sudden or excessive loading on the paddle.
  - Status indication light on weatherproof models.
  - Modular design to allow field installation of any paddle, flanges, shaft extensions, or shaft guards.

**Specifications**:
- **Service**: Dry powder or bulk materials compatible with wetted materials.
- **Sensitivity**: Minimum material density of 5 lb/ft\(^3\) (80 kg/m\(^3\)), maximum of 200 lb/ft\(^3\) (3200 kg/m\(^3\)).
- **Wetted Materials**:
  - Paddles: 316 SS; Exposed shaft: 316 SS; Shaft seal: PTFE;
  - Mounting boss: Aluminum; Flexible coupling: 316 SS;
  - Mounting flanges: Carbon steel or 316 SS;
  - Shaft extension and shaft guards: Galvanized steel or 316 SS.
- **Temperature Limits**:
  - Standard construction: Process: -40 to 300ºF (-40 to 148.9ºC);
  - Ambient: -40 to 185ºF (-40 to 85ºC);
  - High temperature option: Process: -40 to 500ºF (-40 to 260ºC);
  - Ambient: -40 to 185ºF (-40 to 85ºC).
- **Pressure Limit**: 30 psig (2.07 bar) maximum for .5 micron or larger material.
- **Power Requirement**: Select by part number: 110-120 VAC, 230 VAC, 24 VAC, 48 VAC, 12 VDC, or 24 VDC.
- **Power Consumption**: Weatherproof models: 5 watts; Explosion-proof models: 3 watts.
- **Enclosure**: Aluminum, powder coated.
- **Enclosure Rating**: Weatherproof, WH construction: NEMA 4X; Explosion-proof, E, EH construction: NEMA 4X and rated for Class I, Div. 1 & 2, Groups C & D, Div. 1 & 2, Groups E, F, & G.
- **Switch Type**: SPDT or optional DPDT snap switch.
- **Electrical Rating**: 15A @ 120/230 VAC, 5A @ 24 VDC.
- **Electric Connections**: Screw terminals.
- **Conduit Connection**: 3/4˝ female NPT.
- **Process Connection**: 1-1/4˝ male NPT, Optional flange.
- **Weight**: Control head only: 4 lb (1.81 kg).
- **Indication Light**: Red LED that activates when switch is made or when switch is not made with RL option (Not available on explosion-proof models).
- **Options**: Time delay relay, high temperature construction, top mount, shaft extensions, shaft shields, flexible couplings, other power voltages, reversed light.
- **Agency Approvals**: UL approved as an auxiliary device or as an auxiliary device for hazardous locations.

Contact the factory for pricing of shaft extensions, protective shields, and other options. More detailed information available in our Measurement & Control for Powder, Dust, and Bulk Materials Catalog.

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