



VERSATILE ENOUGH TO BECOME YOUR GLOBAL STANDARD

The Roto-Bin-Dicator is the most universal of all level sensing technologies and is the most popular level switch used in dry bulk materials. The Roto-Bin-Dicator is a rotating paddle type, bulk material level sensor offered with a wide variety of paddle options for unequaled application versatility. It is easy to install and requires no special tools or calibration.

FEATURES AND BENEFITS

- A simple, mechanical mechanism means no calibration is required for quick installation
- Long-lasting, sealed motor keeps maintenance and replacement costs low
- Extensive Paddle Options to adapt to a variety of applications
- Frame designed to enable connection flexibility
 Imperial or Metric conduit entry options
 Process Fitting can be made to fit any connection

Centro, Inc.

Level Solutions for Industry
Arkansas Technical Facility 501-835-2193
Alabama, Arkansas, North Florida, Kentucky, Louisiana, Mississippi, East Oklahoma, Tennessee, North East Texas
www.CentroSolves.com

SPECIFICATIONS

FUNCTIONAL

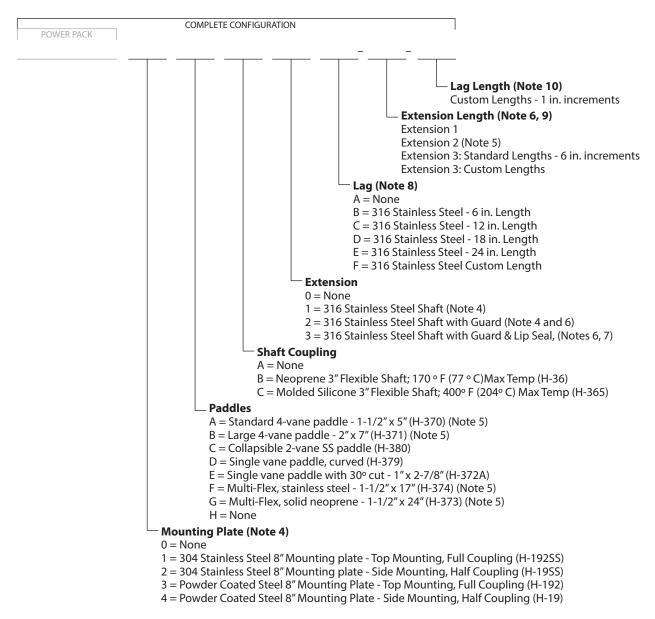
24/120/240 VAC; 50/60 Hz, 24 VDC
5 watts
1 rpm
Low level fail safe
General Purpose: SPDT 20A @ 125/250/480 VAC. Pilot Duty: 345 VA, 115 VAC; 690 VA, 230 VAC
-20° to 302° F (-29° to 150° C) Standard Up to 500° F (Up to 260° C) with Extension 3 and Lag
Precision machined shaft with two shielded ball bearings
Teflon [®] /Viton [®] Lipseal rated ¹ / ₂ micron @ 30 psi (2.1 kg/cm ²) @ 400° F (204° C)
Type 4X/IP66 polyester coated aluminum casting
8" outside diameter with 11/4" NPT pipe threaded coupling; standard polyester coated mild steel; optional 304 stainless steel; H-19 Half Coupling; H-192 Full Coupling
3/4" NPT or M20 x 1.5
Metal parts of all designs are 316 stainless steel
Available in neoprene, 155° F (68° C) or silicone, 400° F (204° C) coatings
Aluminum housing 10 lbs (4.5 kg) Stainless steel housing 16 lbs (7.3 kg)

NOTE. Consult Factory where the housing temperature will be above 200° F (93° C). Shaft extensions and guards are available in galvanized or 316 SS. The Roto-Bin-Dicator* is also available with the Super-Safe-Plus option.

ROTO-BIN-DICATOR - ORIGINAL - PART ONE

COMPLETE CONFIGURATION POWER PACK OPTIONS **Process Fitting** X1 = Aluminum Frame Neck, NPT 1-1/4" X2 = 304 Stainless Steel Frame Neck, NPT 1-1/4" (Note 12) C2 = 316 Stainless Steel NPT 1-1/4 D2 = 316 Stainless Steel NPT 1-1/2" E2 = 316 Stainless Steel BSP Tapered R 1-1/4" F2 = 316 Stainless Steel BSP Tapered R 1-1/2" J2 = 316 Stainless Steel BSP Straight G 1-1/4" (Note 11) K2 = 316 Stainless Steel BSP Straight G 1-1/2" (Note 11) M2 = 316 Stainless Steel Tri-Clamp 1-1/2" (Note 13) N2 = 316 Stainless Steel Tri-Clamp 2" (Note 13) **Housing Finish** A = Powder Coated Aluminum B = 304 stainless steel (Notes 2, 3, 12) C = Epoxy Painted Aluminum D = Electroless Nickel Plated Aluminum (Note 2) Model (Note 1) **Ordinary Location** Note 1. For PowerPack ordering: for Standard Roto-Bin-Dicator powder coated aluminum and 1-1/4 in. NPT R-H = 120 VAC, 1SPDTorder by model number only. RA-H = 120 VAC, 2SPDTRB-H = 240 VAC, 1SPDTRC-H = 240 VAC, 2SPDTRD-H = 24 VDC, 1SPDTRE-H = 24 VDC, 2SPDTRF-H = 24 VAC, 1SPDTRG-H = 24 VAC, 2SPDTR-HM = 120 VAC, 1SPDT, Metric RA-HM = 120 VAC, 2SPDT, Metric RB-HM = 240 VAC, 1SPDT, Metric RC-HM = 240 VAC, 2SPDT, Metric RD-HM = 24 VDC, 1SPDT, Metric RE-HM = 24 VDC, 2SPDT, Metric RF-HM = 24 VAC, 1SPDT, Metric RG-HM = 24 VAC, 2SPDT, Metric **Hazardous Location** Standard Roto-Bin-Dicator Note 14: For Hazardous Location models that RX-H = 120 VAC, 1SPDTrequire extended ambient temperature -40° to RXA-H = 120 VAC, 2SPDT113°F (-40° to 45°C), add suffix 'T' to model RXB-H = 240 VAC, 1SPDT number. RXC-H = 240 VAC, 2SPDTExample: RX-HT RXD-H = 24 VDC, 1SPDTRXE-H = 24 VDC, 2SPDTRXF-H = 24 VAC, 1SPDTRXG-H = 24 VAC, 2SPDT RX-HM = 120 VAC, 1SPDT, Metric with ATEX and IEC approvals RXA-H M= 120 VAC, 2SPDT, Metric with ATEX and IEC approvals RXB-HM = 240 VAC, 1SPDT, Metric with ATEX and IEC approvals RXC-HM = 240 VAC, 2SPDT, Metric with ATEX and IEC approvals RXD-HM = 24 VDC, 1SPDT, Metric with ATEX and IEC approvals RXE-HM = 24 VDC, 2SPDT, Metric with ATEX and IEC approvals RXF-HM = 24 VAC, 1SPDT, Metric with ATEX and IEC approvals RXG-HM = 24 VAC, 2SPDT, Metric with ATEX and IEC approvals

ROTO-BIN-DICATOR - ORIGINAL - PART TWO

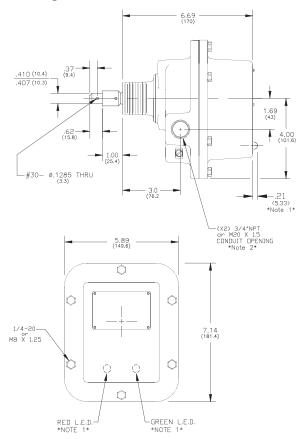


Notes:

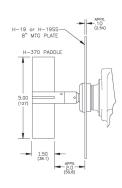
- 2. Hazardous location approval not available with stainless steel Housing Finish or electroless nickel plated aluminum Housing Finish.
- 3. Function Test FOB not available with stainless steel Housing Finish
- 4. For Mounting Plates Process Fitting must be X1, X2, or C2. Extensions 1 and 2 must use Mounting Plate 1 or 3 (Top Mounted)
- 5. Mounting plate is required.
- 6. Shaft guard length will be 2 in. (5 cm) shorter than extension length unless otherwise noted
- 7. Process Fitting cannot be X1 or X2 and maximum length is 36 in. (91 cm) and if used with Extension, the maximum total length is 48 in. (122 cm)
- 8. Lag not available with process fitting X1 or X2, and if used with Extension, the maximum total length is 48 in. (122 cm)
- 9. Maximum extension length is 180 in. (4.6 m), minimum length is 3 in. (7.6 cm); leave blank if not used.
- 10. Maximum lag length is 24 inches, minimum length 1 in. (2.5 cm); leave blank if not used
- 11. EPDM Flat gasket is included for Process Fittings with straight threads.
- 12. X2 Process Fitting and Stainless Steel Housing Finish can only be ordered together.
- 13. M2 and N2 Process Fitting only available with C, D, E, F and G Paddles.

Original Roto-Bin-Dicator®

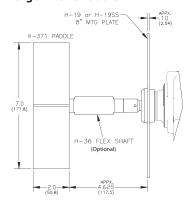
Housing Dimensions



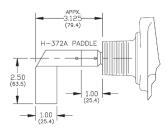
Standard 4-Vane Paddle



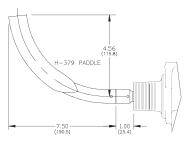
Large 4-Vane Paddle



Single Vane Paddle 30° Cut



Single Vane Paddle Curved



AGENCY APPROVALS

UL (US and Canada)

- Ordinary Location, Type 4X; IP66
- Hazardous Locations, Type 4X
 Explosion Proof, Class I, Div 1, Groups C, D
 Dust Ignition Proof, Class II, Div 1, Groups E, F, G

CE

- Electromagnetic Compatibility Directive
- · Low Voltage Directive

Collapsible Paddle

