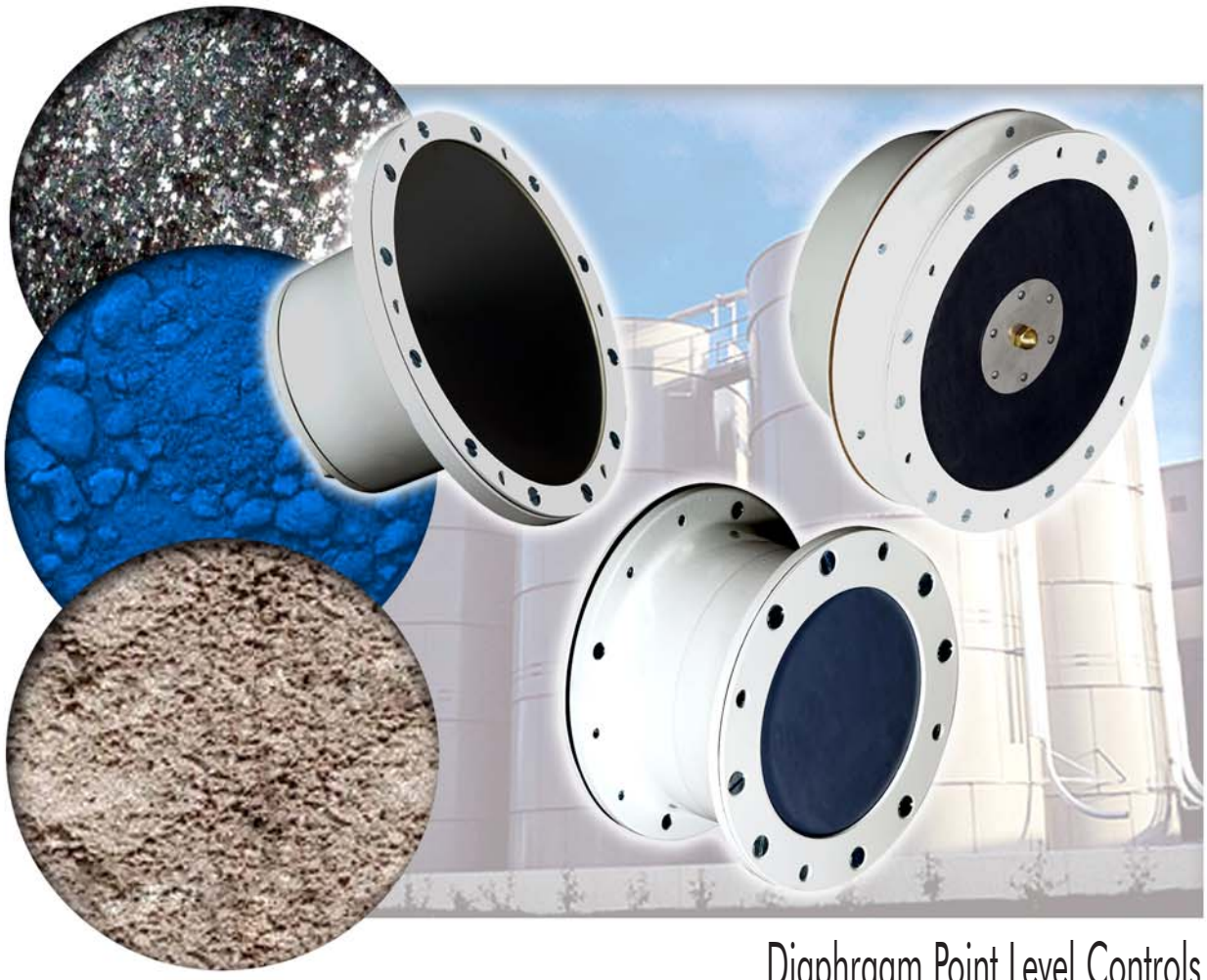
genuine BINDICATOR®



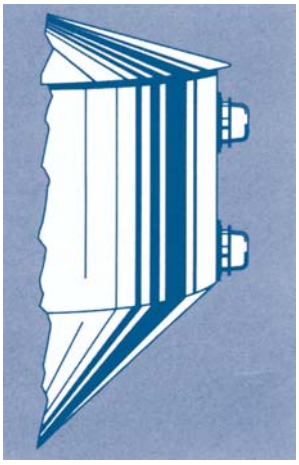
Diaphragm Point Level Controls

For Use With Dry Materials At Atmospheric Pressures

Bin-Dicator®

Point Level Control

BIN-DICATOR®



Applications

Bin-Dicators eliminate bin overflow, empty bins, clogged conveyors, choked elevators and resultant damage and waste in chemical, mining, plastics, ceramics and other industries.

Bindicator Diaphragm Controls

These controls are often used to meet certain mounting conditions such as limited space clearance or vessel size, chutes, conveyors and bucket elevators, etc., where protruding parts within a vessel are not feasible.

Many variations are available for use in a wide range of dry materials and conditions of temperature, corrosion and moisture.

Diaphragm Controls are not normally used with bulk materials which are extremely light, sticky, or of large, lump size. In-vessel pressure variations (as caused by pneumatic loading and unloading) will cause false signals due to control sensitivity. Roto-Bin-Dicator Controls are recommended in these applications.

Operation

It is a low-cost, pressure sensitive, diaphragm operated switch. The diaphragm senses the pressure from any dry, free-flowing medium to heavy weight material. The switch can control the visual or audible signal as well as bin filling and emptying machinery.

MODEL "A" BIN-DICATOR®

Features

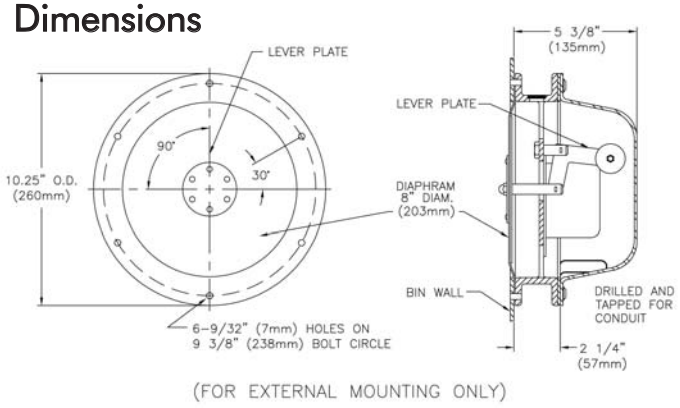
Simple, rugged construction permits mounting the entire unit outside the bin at a lower installation cost. Simplicity of the operating mechanism makes the entire unit readily accessible for inspection or repair resulting in lower maintenance costs.

Specifications

Frame:	Polyester-Coated Aluminum Casting
Cover:	Standard-Durable ABS White Plastic
Lever Mechanism:	Brass
Diaphragm Back Plate:	Steel, galvanized
Diaphragm Washer:	Steel, polyester
Gaskets:	Fiber
Diaphragms:	Neoprene, Teflon, Silicone Canvas, Fiberglass
Switches:	General Purpose snap-action, explosionproof snap-action, or Mercury
Switch Temperature:	See How to Order chart. Optional General Purpose snap-action switches are available in either 250° F (121° C) or 800° F (427° C)

Mount Exernally
Can be mounted on underslopes up to 45°
Shipping Weight: Aluminum 10 lbs.

Dimensions



(FOR EXTERNAL MOUNTING ONLY)

How To Order

Order by Model No. from this table

Diaphragm Material	General Purpose One Switch 185°F (85°C)	General Purpose Two Switches 185°F (85°C)	Explosion Proof One Switch 185°F (85°C)	General Purpose Mercury Switch 185°F (85°C)
Neoprene (Light)	A-1-N LAA101001	A-2-N LAA101029	A-EX-N LAA101085	A-M-N LAA101200
Neoprene (Medium)	A-1-MN LAA101002	A-2-MN LAA101030	A-EX-MN LAA101086	A-M-MN LAA101201
Neoprene (Heavy)	A-1-HN LAA101003	A-2-HN LAA101031	A-EX-HN LAA101087	A-M-HN LAA101202
Canvas	A-1-C LAA101000	A-2-C LAA101044	A-EX-C LAA101084	A-M-C LAA101242
Fiberglass	A-1-F LAA101008	A-2-F LAA101036	A-EX-F LAA101092	A-M-F LAA101240
Silicone Rubber (Heavy)	A-1-HS LAA101005	A-2-HS LAA101033	A-EX-HS LAA101089	A-M-HS LAA101203
Teflon Coated Fiberglass (Heavy)	A-1-HT LAA101007	A-2-HT LAA101035	A-EX-HT LAA101091	A-M-HT LAA101204

Specify if all metal parts exposed within the bin need to be stainless steel. Specify high temperature switches, if required. IMPORTANT: Diaphragm and high temperature switches must be compatible in ratings.

AUTO-BIN-DICATOR®

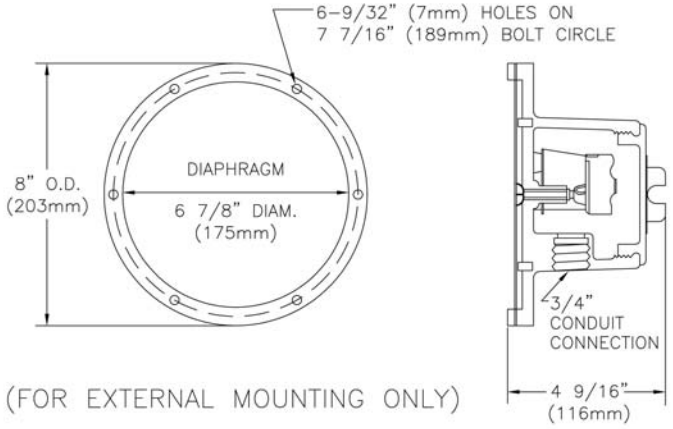
Features

This easy to install unit is designed for exterior, side-of-bin mounting. Wiring and inspection of the control is simple. Easy removal of threaded cover exposes the Micro switch.

Specifications

Frame:	Polyester-coated aluminum casting
Cover:	Polyester-coated aluminum casting
Diaphragms:	Neoprene, Stainless Steel
Snap-action Switch:	Single Pole, Double Throw
Switch Temperature:	185° F (85° C) (standard)
	250° F (121° C) (optional)
	800° F (427° C) (optional)
Construction:	Weather-proof or explosion-proof
Shipping Weight:	Aluminum, 8 lbs.

Dimensions



How To Order

Order by Model No. from this table

Diaphragm Material	Weatherproof	Explosionproof
Neoprene	AB-R LAD101701	NA
Stainless Steel T-302	AB-S LAD101700	ABX-S LAD101716

Specify if all metal parts exposed within the bin need to be stainless steel.

Auto-Bin-Dicator® controls are listed by Underwriters' Laboratories, Inc. and Canadian Standards Assoc. The weatherproof models are listed for non-hazardous atmospheres. The Explosionproof models are listed in hazardous atmospheres, Class 1, Groups C and D; and Class II, Groups E, F, and G.

BANTAM® BIN-DICATOR®

Features

For use on bins, hoppers, and chutes of limited size. Rugged aluminum housing encloses a diaphragm operated switch with simple counterweighted level system.

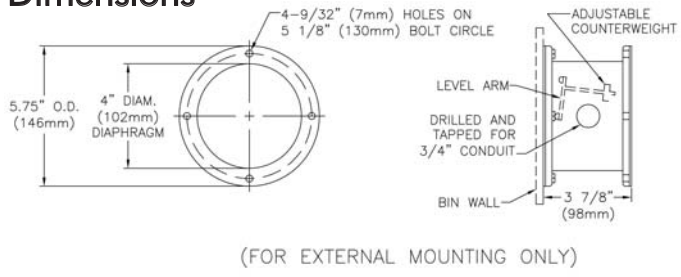
Specifications

Frame:	Polyester-Coated Aluminum Casting
Cover:	Polyester-Coated Aluminum
Lever Mechanism:	Brass
Diaphragm Back Plate:	Aluminum
Diaphragm Washer:	Aluminum
Gasket:	Rubber
Diaphragm Neoprene:	Teflon/Neoprene
Snap-Action Switch:	General purpose only
Switch Temperature:	185° F (85° C) (standard)

Can be mounted on underslopes up to 45°

Shipping Weight: Aluminum, 8 lbs.

Dimensions



How To Order

Order by Model No. from this table

Diaphragm Material	GENERAL PURPOSE	
	One Switch	Two Switch
Neoprene (Light)	B-1-N LAB101800	B-2-N LAB101936
Teflon Neoprene	B-1-LT LAB101808	B-2-LT LAB101944

Specify if all metal parts exposed within the bin need to be stainless steel.

Snap-Action Switch Specifications

General Purpose: Single-pole, double-throw; may be wired for normally open (NO) or normally closed (NC) operation
AC rating: 15 amp @ 125, 250 or 480 VAC

DC rating: 1/2 amp @ 125 VDC; 1/4 amp @ 250 VDC

HP Rating: 1/8 HP @ 125 VAC (Model A only)

Explosionproof: Single-pole, double-throw or double-pole, double throw

AC rating: 15 amp @ 125, 250 or 480 VAC

DC rating: 1/2 amp @ 125 VDC; 1/4 amp @ 250 V DC

HP Rating: 1/8 HP @ 125 VAC (Model A only)

Model "A" Bin-Dicator Explosionproof Snap-action switch is listed with Underwriters' Laboratories, Inc. and Canadian Standards Association-Approval No. 4442 for use in hazardous atmospheres, Class I, Division I Groups C and D; and Class II, Division I Groups E, F, and G.

General Guide To Diaphragm Selection

Diaphragm Material	Max. Temp.	Product Wt. Cu./Ft.	Application Remarks
Neoprene Rubber (light)	170°F (77°C)	10-40	Highest sensitivity - abrasion resistant
Neoprene Rubber (Medium)	170°F (77°C)	30-100	Strong, resists abrasion, low temperatures
Neoprene Rubber (Heavy)	170°F (77°C)	100-350	Strong, resists abrasion, low temperatures
Canvas	200°F (93°C)	10-60	Powders only
Fiberglass	1000°F (538°C)	25-100	Very high temp. - see switch temperatures
T-302 Stainless Steel	800°F (427°C)	30 Minimum	Auto-Bin-Dicator Only
Silicone Rubber (Heavy)	450°F (232°C)	50-150	Extreme low to medium - high temperature
Teflon coated Fiberglass (Heavy)	400°F (204°C)	50-150	Corrosion resistant, Medium-high temperatures

SPECIAL NOTE: For high temperature applications, special switches may be required in addition to proper diaphragm selection. Please consult factory.

Bindicator offers a complete range of Level and Material Handling Controls

genuine BINDICATOR®

A venture MEASUREMENT Product Line

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