



FLUSH MOUNT BUTTONS

Brass, Stainless Steel & Plastic Balco RTDs



The ACI Balco Flush Mount Button Series features a stainless steel, brass or white plastic button sensor with two, 24 inch 22 AWG Etched Teflon colored lead wires to differentiate the different sensor types. The sensors in this series are manufactured using ACI's proven encapsulation process to eliminate the effects of moisture on the sensors and to increase the thermal response time using our high quality, thermally conductive epoxy. This sensor uses a small, low profile design and should be used in applications where aesthetics is one of your primary concerns. Each unit is supplied with a mounting kit such that they can be hidden underneath cabinets or shelving units, in decorative metal plates, trim, drywall or from a 1/2" piece of conduit coming down from the ceiling or roof. Note that if painting the sensors, be sure to coat with as

little paint as possible so as to not limit the effect on the accuracy or responsiveness of the sensor. This series can be ordered with optional NIST Certificates as designated in the product ordering grid.

Applications: Museums, Historical Buildings, Monitoring Space Temperatures, Office Buildings, Schools, Retail, Remote Sensor

The Balco Flush Mount Button Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS

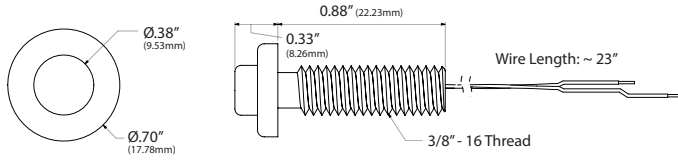
Sensor Type Sensor Curve:	Balco RTD PTC (Positive Temperature Coefficient)
Number Sensing Points:	One
Number Wires:	Two (Non-Polarity Sensitive)
Sensor Output @ 70°F (21°C) Lead Wire Colors:	1000 Ohms nominal Orange/Yellow
Sensor Accuracy:	70°F (21°C): +/- 1%
Temperature Coefficient (0-100°C):	4618 ppm/°C
Sensor Stability:	+/- 0.05% after 1000 Hours @ 150°C (302°F)
Response Time (63% Step Change)	8 Seconds nominal
Maximum Operating Current:	5 mA
Button Sensor Enclosure Material:	A/BALCO-BBS: Brass A/BALCO-SBS: 304 Stainless Steel A/BALCO-PBS: ABS
Plastic Button Flammability Rating:	UL94-HB
Operating Storage Temperature Range:	A/BALCO-PBS: -40 to 70°C (-40 to 158°F) -40 to 85°C (-40 to 185°F) A/BALCO-BBS & A/BALCO-SBS: -40 to 121°C (-40 to 250°F) -40 to 85°C (-40 to 185°F)
Operating Humidity Range:	10 to 95% RH, non-condensing
Lead Length Conductor Size:	24" (61cm) 22 AWG (0.65mm)
Lead Wire Insulation Wire Rating:	Etched Teflon (PTFE) Colored Leads Mil Spec 16878/4 Type E
Conductor Material:	Silver Plated Copper
Product Dimensions (Length x Diameter):	A/BALCO-PBS: 1.00" (25.4mm) x 0.750" (19mm) A/BALCO-BBS and A/BALCO-SBS: 1.20" (30.48mm) x 0.700" (17.78mm)
Product Weight:	A/BALCO-PBS: 0.04 lbs. (18.15g) A/BALCO-BBS & A/BALCO-SBS: 0.10 lbs. (45.36g)
Agency Approvals:	CE, RoHS2, WEEE



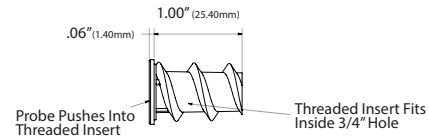
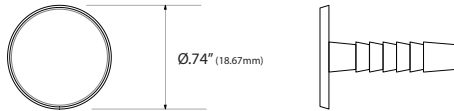


DIMENSIONAL DRAWING

Brass & Stainless Button Sensor



Plastic Button Sensor



Front & Top / Right Views

Spacers / Anchors

STANDARD ORDERING

Model # Example: A/BALCO-PBS -OR- 130120

Model #	Item #	Description
A/BALCO-PBS	130120	Balco Plastic Button Sensor, 24" Leads, Anchor
A/BALCO-BBS	121853	Balco Brass Button Sensor, 24" Leads, Spacers & Brass Nut
A/BALCO-SBS	121860	Balco Stainless Steel Button Sensor, 24" Leads, Spacers & Brass Nut

OPTIONAL SENSOR ORDERING

Model # Example: A/ BALCO PBS NIST
A. B. C. D.

	MODEL #
A. Sensor Series No Selection Required	A/
B. Model Series No Selection Required	BALCO
C. Configuration Select One (1)	PBS = Plastic Button BBS = Brass Button SBS = Stainless Steel Button
D. NIST Select One (1)	---- = No NIST Certificate NIST = NIST Certificate (3 Points)

