

Bilge Level Switch System

BLSK1 Series

The BLSK1 Bilge Level Switch System operates bilge pumps or alarms. The kit includes all items and fittings necessary to install in your bilge. You order only the parts you want, and you provide brackets, tubing and mounting hardware.

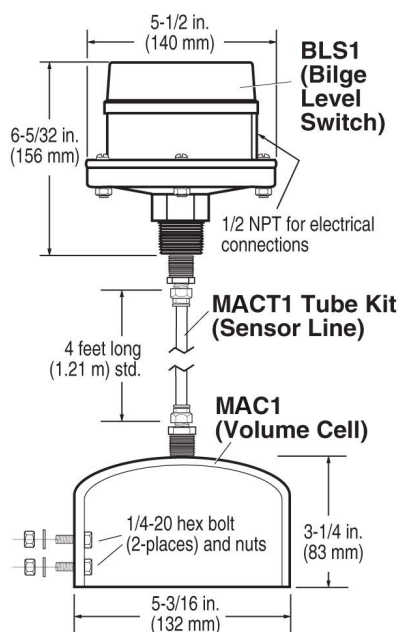
Using the proven Air Cell actuating system, all moving parts and switching are remote from bilge liquids and are not affected by corrosion, rust, etc. All wetted parts are of non-corrosive materials.

As bilge level rises, a column of air is captured in the MAC1 Air Volume Cell. The rising bilge level compresses the column of air creating pressure against the large diaphragm in the BLS1 Bilge Level Switch and the switch trips. Switch set point is adjustable.

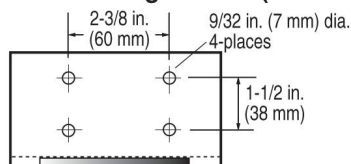
The switch resets as the bilge is pumped out and the air cell recharges itself during normal operation.

The BLS1 is constructed of materials not affected by marine atmospheres: aluminum or bronze body and cover, Buna-N diaphragm.

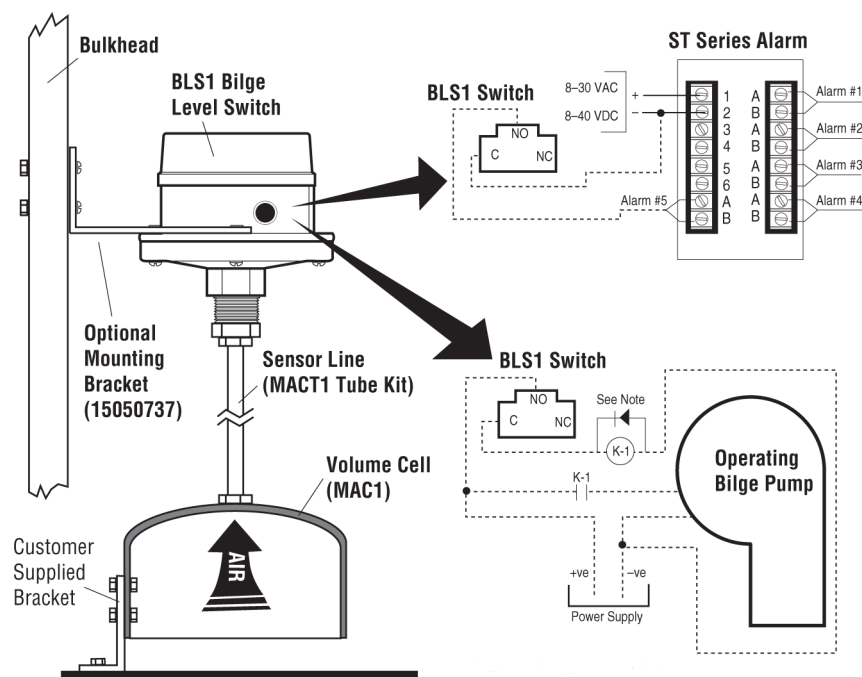
Dimensions



Optional Mounting Bracket (15050737)



Typical Installation and Wiring



NOTE: Contact rating should be appropriate for horse power of the pump.
Install flyback diode across K-1 relay or DC power is used.

Specifications

BLS1 Bilge Level Switch Snap-Switch SPDT (standard)

5 A @ 125, 250, or 480 VAC
1/2 A @ 125 VDC, 1/4 A @ 250 VDC

NOTE: A pilot relay may be used for higher contact ratings (see Typical Wiring Diagram)

Case/Lid: Aluminum (std)

Bottom Plate: Glass-filled nylon

Process Connection: 1/4 NPTF

Max. Pressure: 25 psi (172 kPa) [1.72 bar]

Conduit Connection (electrical): 1/2 NPT

BLS1 Weight: 3 lb. (1.4 kg)

BLS1 Dimensions: 6-1/4 x 6-1/4 x 6-1/4 in. (159 x 159 x 159 mm)

15050737 Optional mounting bracket: 16 ga., 304 stainless steel
(see Dimensions)

MACT1 Tube Kit (fittings included):

4 ft. (1.21 m) flexible non-corrosive tubing, 1/4 in. (6 mm) dia. (cut to fit)

MACT1 Weight: 0.5 lb. (0.23 kg)

MACT1 Dimensions: 6 x 6 x 6 in. (152 x 152 x 152 mm)

MAC1 Air Cell (Volume Cell):

Made of non-corrosive materials

(2) 1/4-20 stainless steel hex bolts and nuts

MAC1 Weight: 2 lb. (1 kg)

MAC1 Dimensions: 6 x 6 x 6 in. (152 x 152 x 152 mm)

How to Order

Part Number	Model and Description	Notes
15000587	BLS1: Bilge level switch	SPDT, 5A Switch, aluminum case and lid
15700193	BLSK1: Bilge level switch kit includes BLS1, MACT1 tubing kit and MAC1 air cell	Kit
15050737	BLS1 mounting bracket	Accessories and replacement parts
15010205	5 A snap-switch and movement assembly	
15000123	Diaphragm assembly	
15050823	Piston	
15050824	Knob for limit adjustment	
15700200	MACT1	
15000590	MAC1	