

Special Features:

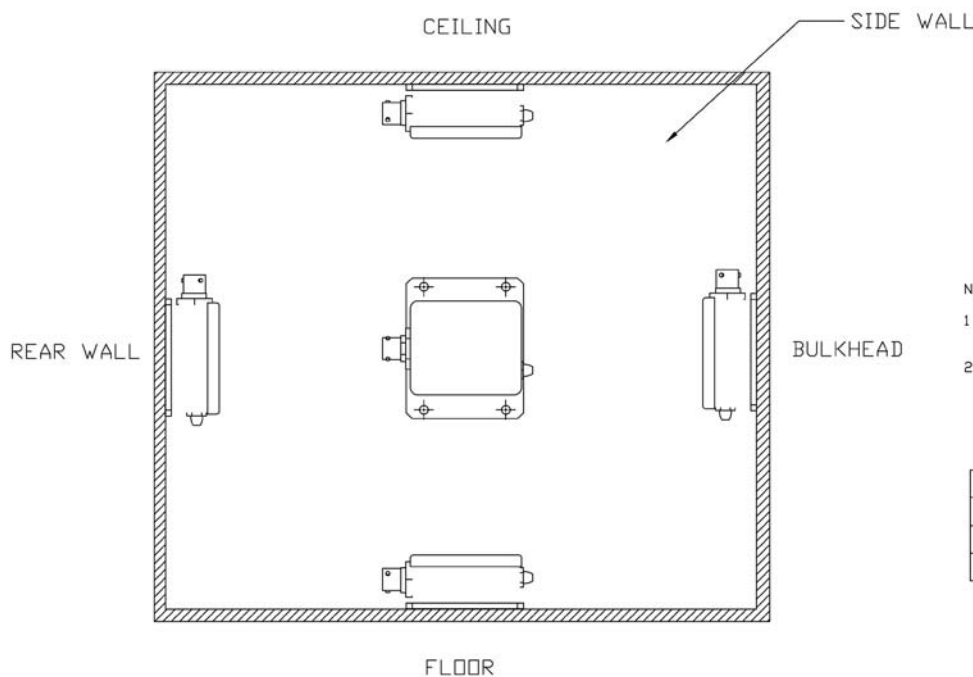
- High Reliability & Accuracy
- Latching w/ Manual Reset
- Small & Lightweight
- Can Carry AC or DC
- Qualified to MIL-STD-810
- Environmentally Sealed
- Gold Contacts
- Available Normally Open or Closed
- Multiple Poles Available
- Single or Multi Axis

Description:

The 3LO series inertia switches are intended for commercial and military fixed-wing aircraft or rotorcraft applications that require a durable, latching, highly reliable acceleration sensor. Designed to open or close a circuit based upon a predetermined acceleration threshold, these units are available in a variety of electrical contact configurations and terminations. The unique latching ability allows the switch contacts to maintain contact closure after the threshold g's recede.



- Crash Detection
- CVR/FDR Cutoff
- Emergency Lighting Activation
- Power Cessation
- Wake Up
- Fire Suppression On
- Many More



NOTES

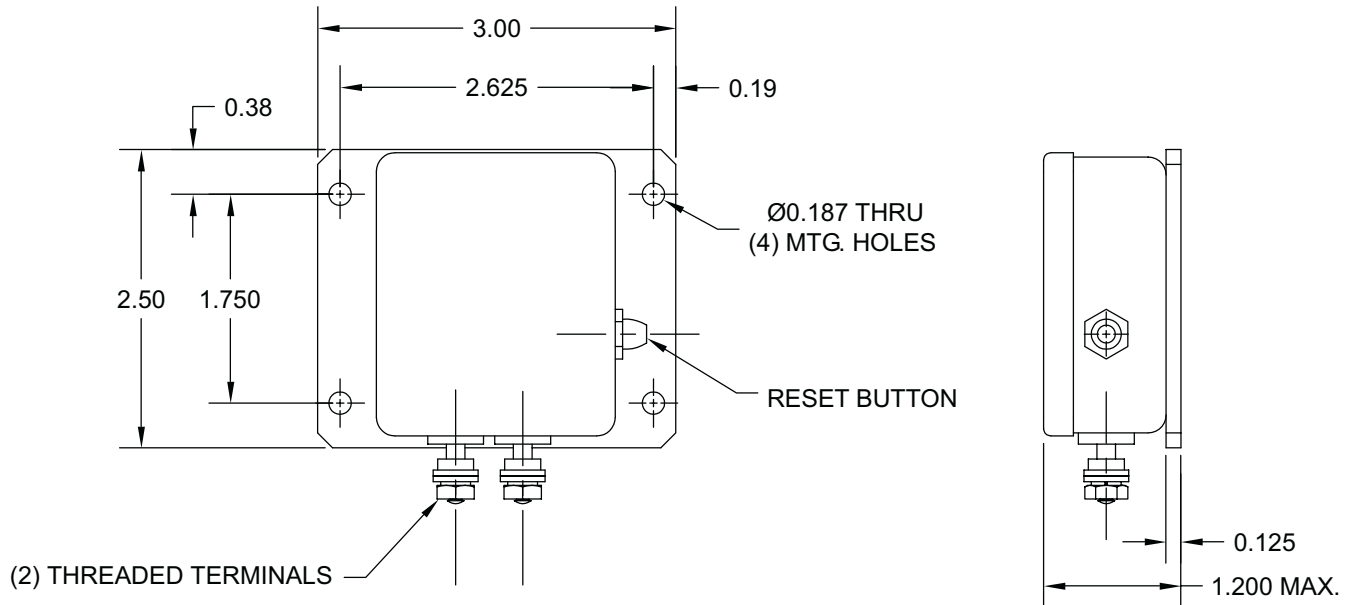
- 1 - THE SAME SWITCH CAN BE MOUNTED IN ANY POSITION AS SHOWN. TABLE 1 INDICATES THE AXIS OF SENSITIVITY.
- 2 - CONSULT OUR ENGINEERING DEPARTMENT FOR OTHER MOUNTING ARRANGEMENTS IF REQUIRED.

SENSITIVITY TABLE 1

MOUNTING POSITION	FORE	AFT	LEFT	RIGHT	UP	DOWN
FLOOR OR CEILING	✓	N/A	✓	✓	✓	✓
SIDE WALL (RIGHT OR LEFT)	✓	N/A	✓	✓	✓	✓
REAR WALL OR BULKHEAD	✓	✓	✓	✓	N/A	✓

Note: Mounting diagram is for hemispherical models only.

The information on this data sheet is for reference only. Please verify all specifications by consulting our engineering department for the appropriate outline control drawing.



Note: Model 3LO-453 shown. Terminal, connector, and/or reset button location may vary depending on model number. Not to scale. Dimensions are for reference only.

Specifications (General*)

Contact Rating	5A @ 28 VDC, 125 VAC
Insulation Resistance	500 MOhms @ 500 VDC
Weight	9 oz. Max

Specifications (Model Specific)

Model Number	Sensitivity	G Level (Factory Preset)	Accuracy**	Contacts	Termination***
3LO-453	Unidirectional	2-20	+/- 10%	SPST NC	(2) #6-32 Threaded Terminals
3LO-453C	Unidirectional	2-20	+/- 10%	SPDT	MIL-C-26482 Series I Connector
3LO-734	Unidirectional	2-20	+/- 10%	SPST NO	(2) #6-32 Threaded Terminals
3LO-849	Unidirectional	2-20	+/- 10%	SPDT	(3) #6-32 Threaded Terminals
3LO-871	Hemispherical	4-20	+/- 15%	SPDT	MIL-C-26482 Series I Connector
3LO-881	Unidirectional	2-20	+/- 10%	DPDT	MIL-C-26482 Series I Connector
3LO-900	Hemispherical	4-20	+/- 15%	SPDT	MIL-C-26482 Series I Connector
3LO-882	Hemispherical	4-20	+/- 15%	SPDT	MIL-C-38999 Series III Connector

*Applies to all models within the 3LO series.

**Standard tolerance. Special tolerances available upon request.

***Other termination available.

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