

TILT SWITCH

Tilt Switch Level Indicator

Approved for dust-explosive environments
Zones 20, 21 & 22

TST1V0A



POD35



ATEX-Approved

Ex II 1D T100°C-IP 65-ZONE 20

APPLICATION

High Level Indicator for bins and silos. Suitable for almost all granular materials.

METHOD OF OPERATION

The Tilswitch consists of a control module TST1V0A and a floating sensor POD35 which is attached to the the control module by a 5m cable. The control module is ATEX Approved Ex II 1D T100°C. The supply to the POD35 is limited to intrinsically safe levels with fault protection similar to an « ia » circuit. When the material in the bin / silo rises to the desired trip level, the POD35 will tilt. When the POD tilts by about 15° the contact in the control module is switched.

OPTIONS/ACCESSORIES

- ▶ SMP : Side Mounting Plate 1 1/4
- ▶ TMP : Top Mounting Plate 1 1/4 (use TMP when adding a tube to protect the cable)

Detailed specification, wiring diagrams and installation/operating instructions available immediately upon request.

Please refer to instruction manual for correct installation .
Information subject to change or correction. July 2007.



BRAIME

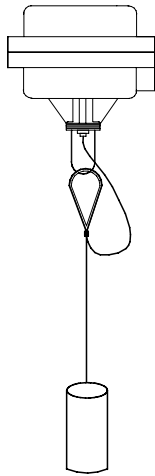
TILT SWITCH

TECHNOLOGY · INNOVATION · QUALITY · VALUE

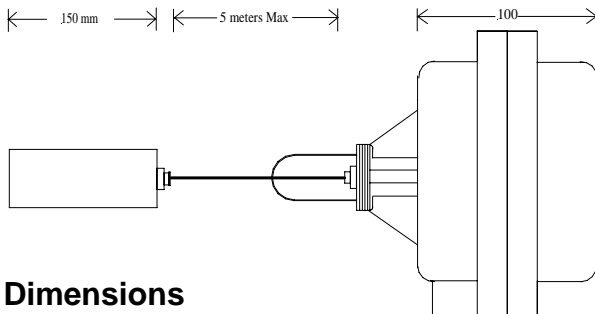
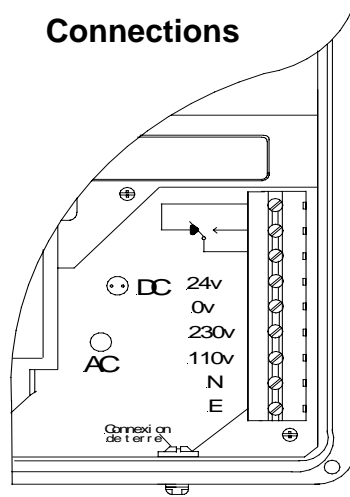
TECHNICAL SPECIFICATIONS

Type	M300232A EX II 1D T100°C BAS03 ATEX0122
Protection	IP 65
Enclosure	Polyamide 66 modified
Mounting	1" ¼
Supply	110V/230V AC 50/60HZ or 24V DC
Consumption	2,5 VA
Fuse	5 Amps
Power supply cable	min,1 mm2 - max,4 mm2
Ambiant temperature	-20° à + 50°C
Humidity	90%RH
Output	S.P.C.O contacts rated at 2,5A 240V non inductive
Time delay	Variable 0 to 40 sec
Approvals	ATEX EX II 1D T100°C
Cable length	Up to 5 meters

Mounting



Connections



Dimensions

Please refer to instruction manual for correct installation .
Information subject to change or correction. July 2007.