

MTLS-5A – Magne-Trac Switch Installation, Operating and Maintenance Instructions

1. INTRODUCTION

The MTLS-5A switches are hermetically sealed bi-stable latching switches designed for use with Magne-Trac Gages. The MTLS-5A has single pole double throw contacts (SPDT). The switch will change state when the float magnet passes by. The switch remains in a latched position until the float magnet passes the switch in the opposite direction.

2. SPECIFICATIONS

Maximum switching voltage:	125/250 VAC
Maximum switching current amps:	Maximum 5.0 AMPS
switching wattage:	1200 WATTS
Maximum Process Temperature (standard):	302° F
Minimum Process Temperature:	-40° F
Maximum Process Temperature (HT) option:	Consult Factory
Enclosure Certifications:	Explosion Proof Class 1, Div. 1, Groups B, C &D Watertight: NEMA 4 FM/CSA Listed
Conduit Connection	3/4" NPT - Standard

3. MOUNTING

The MTLS-5A is mounted to the Magne-Trac chamber with all 316 Stainless Steel worm gear pipe clamps. Switch points can be changed at any time by loosening the clamps and sliding the switch vertically to the desired set point.

4. OPERATION

To set the switch, move the float upward past the switch, then drain. Use of a continuity meter is suggested to verify the desired state.