

# Two-Element Speed Switches

## Installation, Adjustment & Service Instructions

### Introduction

These units contain two individual snap action switches, each of which has single pole, double-throw contacts that change position at a different preset speed. The units are preset at the factory to trip at the two speeds shown on the nameplate.

Each switch trip point may be adjusted in the field using the adjusting screws at the top of the unit. *The lockwired capscrews should not be loosened*, as special test assembly fixtures are used at the factory to determine and lock this important position.

### Installation

Mechanically attach unit to driving member, making certain that the shaft aligns properly to prevent damage and malfunction. Electrically attach by affixing leads to appropriate terminals.

### Speed Adjustment

Switches may be individually adjusted. Capscrew on top of the unit provides access to adjusting screw. Lower trip speed is # 1; higher trip speed (normally overspeed) is # 2.

#### Adjustment Procedure:

1. Remove appropriate access screw(s) at top of unit.
2. Insert 1/16" hex Allen wrench into adjusting screw.
3. Turn clockwise to increase trip point; turn counterclockwise to decrease trip point. **CAUTION:** Too many counterclockwise turns will remove set screw from lock nut assembly.
4. Test.
5. Replace access screw(s).

**NOTE:** The adjustment of one switch may slightly affect the speed setting of the other. Compensating adjustments may be required.

### Maintenance

On all units (except Model GS) sealed bearings are supplied. No internal maintenance is required. On all GS units, add grease (Aeroshell 7A or its equivalent) every 2500 operating hours or annually. Apply grease with a handheld gun *only* as a pressurized gun may cause damage to the seals.

**NOTE:** Warranty is void if the lockwire is broken or evidence of tampering is found on the cover or adjustment screws.



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