

Magnetic Switches - Models 518 Installation and Operations Manual

Magnetic switches are the nerve centers that translate Switchgag contact operations into decisions and operate the alarm or shutdown device. They are the electrical load carrying devices for the alarm or shutdown device. Tattletale annunciators indicate which monitored function failed leading to the alarm or shutdown whereas magnetic switches do not. Magnetic switches operate basically as a latching relay.

Application

Magnetic switches and Tattletale annunciators are available for use with engines or electric motors. Various circuits, time delays and contact configurations are available to match the power source and mode of operation required for alarm only, alarm before shutdown or shutdown only.

For distributor ignition engines, the magnetic switch opens the distributor coil circuit to cause shutdown. For magneto or CD ignitions the magnetic switch grounds the ignition output. Some models can also trip fuel valves instead of or in addition to grounding the ignition. Diesel engines are shut down by either closing off the fuel or air supply. Magnetic switches and Tattletale annunciators can make or break circuits for these engines.

For electric motor application, various magnetic switches are available to operate the motor starter, holding coil directly or in conjunction with appropriate Murphy Transformer-Relay assembly.

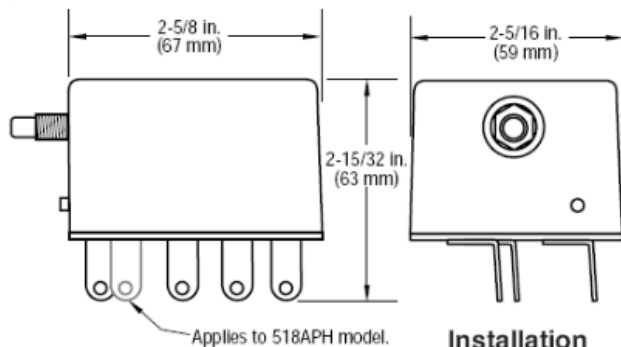
Installation

Please read the following information before installing. A visual inspection of this product for damage during shipping is recommended before mounting. It is your responsibility to have a qualified person install this unit.

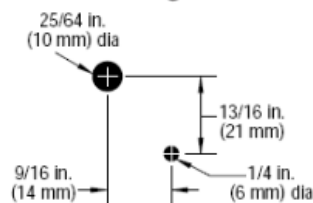
WARNING! BEFORE BEGINNING INSTALLATION OF THIS PRODUCT

- ✓ Read and follow all Installation Instructions.
- ✓ Disconnect all electrical power to the machine.
- ✓ Make sure the machine cannot operate during installation.
- ✓ Follow all safety warnings of the machine manufacturer.

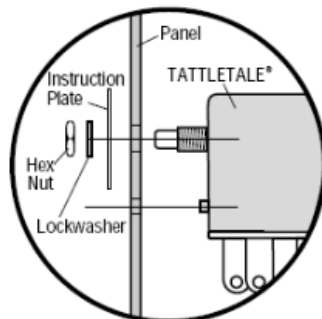
Dimensions and Installation



Mounting Holes



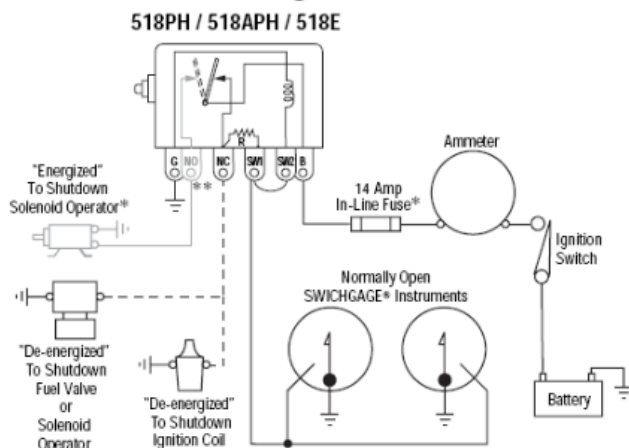
Installation



Typical Wiring Diagrams

Figure 1 shows a jumper installed between "SW1 and SW2." instruments are normally open. This is not a Closed Loop™ circuit.

Figure 1

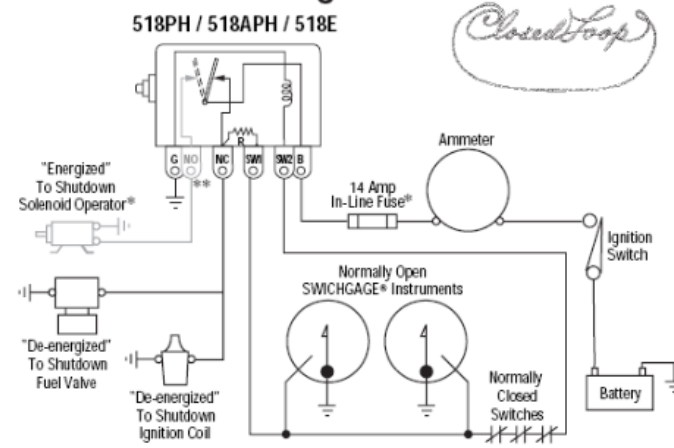


* In-Line Fuse should be removed on "energized" to shutdown configurations.

** Applies to 518APH model.

Figure 2 shows a Closed Loop™ circuit with normally open instruments and Normally Closed switches (alignment and "V" belt switches, etc.).

Figure 2



* In-Line Fuse should be removed on "energized" to shutdown configurations.

** Applies to 518APH model.

