



# Technical Bulletin

Date: October 31, 2008

Subject: **UNIVERSAL PRESSURE SWITCHES INSTRUCTION SHEET**

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The Milton Universal Pressure Switch is designed to replace pressure switches on most air compressor applications. They are designed to work with most major brands such as DeVilbiss, Sears Craftsman, Campbell Hausfeld, Coleman-Powermate, Englo, and Douglas/Shraeder-Bridgeport. The Milton by Furnas Pressure Switches is UL listed and CSA certified.

The Milton1060 has a 95-125 PSI setting; the Milton 1062 has a 140-175 PSI setting. Both switches are suitable to replace pressure switches up to 2 HP @ 120V, 1 phase or 3 HP @ 240V 1 phase or 5 HP @ 240V 3 phase. The Universal Pressure Switches have 4 port, 1/4" female pipe fitting manifolds that come complete with hole plugs to allow usage on 1, 2 or 4 port applications.

Pressure switches have combination terminals so they can be used with either the quick connect (slip on terminals) or the standard screw terminals, auto-off disconnect levers and unloader valve.

**DANGER!**

**Hazardous voltage.**

**Will cause death or serious injury.**

To avoid electrical shock or burn, unplug the line power cable before performing pressure switch installation or maintenance.

### **REMOVING THE EXISTING PRESSURE SWITCH.**

1. Turn the pressure switch auto-off lever to OFF.
2. Unplug the power to the compressor and bleed the compressed air out of the compressor tank.
3. Remove the cover from the existing pressure switch.
4. Slide black and white wires off quick connect OR remove black and white wires by loosening but not removing screws.
5. The two green wires are ground wires. Remove ground screws and retain. Disconnect ground wires.
6. Remove both power cables from pressure switch.
7. Remove any accessories i.e. regulators, gages or safety valves that are attached to the pressure switch.
8. If the pressure switch has an unloader valve connected, loosen 1/2" compression nut, and disconnect tubing.
9. Remove pressure switch with a wrench by turning counterclockwise.



## UNIVERSAL PRESSURE SWITCHES – INSTRUCTION SHEET

### INSTALLATION

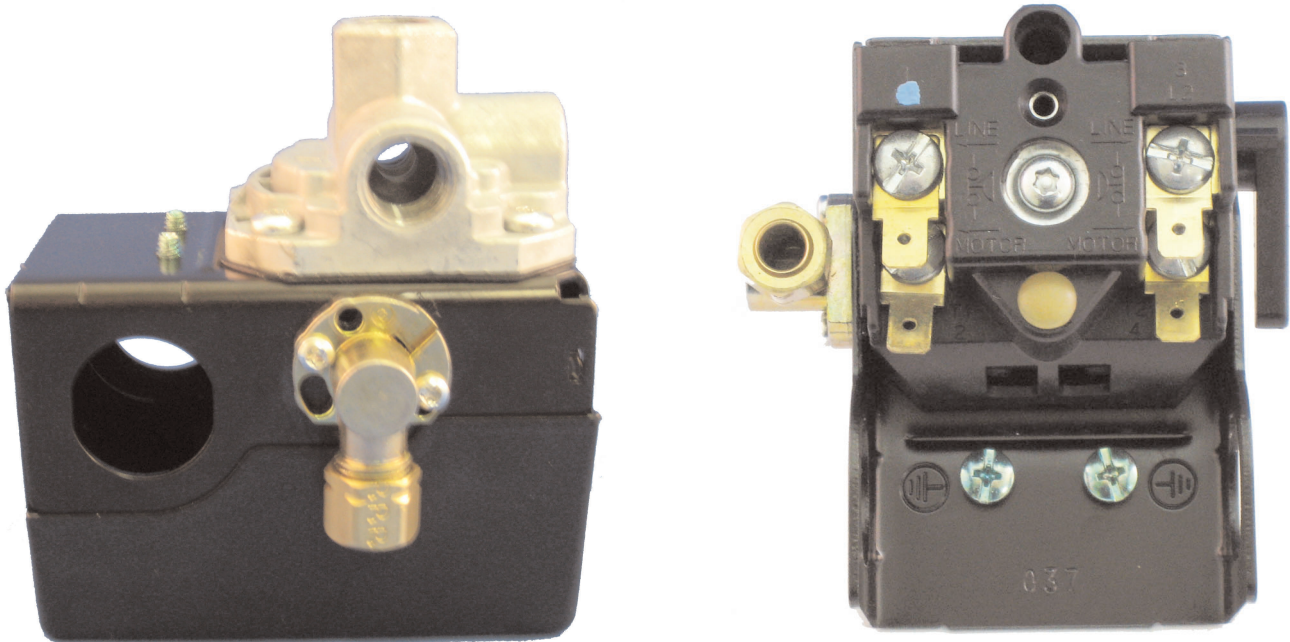
**WARNING: Make sure that the replacement pressure switch does not exceed the compressor manufacturer's air pressure specifications.**

**See wiring diagram on inside cover of the replacement pressure switch.**

1. Determine what ports on the replacement pressure switch will be in use. Plug those ports that will not be in use. Add pipe dope to the port plugs. Do not attach accessories at this time.
2. Make sure the pressure switch is in the off position.
3. Attach the pressure switch to the compressor, making sure that the Unloader Valve is in the same position as the original pressure switch unloader valve. The pressure switch unloader valve rotates for ease in installation. Re-connect the unloader valve tubing. If the unloader valve was not previously in use, simply ignore the unloader valve on the pressure switch.
4. Put pipe dope on all male threads. We do not recommend using Teflon tape, as particles of the tape tend to clog filter screens and regulators.
5. Remove pressure switch cover and connect any accessories to the pressure switch (Gages, Regulators, and Safety Valves.)
6. Re-insert the cable from the motor to the pressure switch.
7. Move black and white wires out of the way and attach the green ground wire to the frame, using either hole in the frame.
8. Attach black wire to T1 terminal. If using screw type terminals, remove quick connect terminals from the replacement pressure switch.
9. Attach white wire to T2 terminal.
10. Reconnect line power cable to the pressure switch.
11. Attach green ground wire to second hole in the frame.
12. Attach black wire to terminal L1 (same side as black wire from motor cable).
13. Attach white wire to terminal L2 (same side as white wire form motor cable).
14. Tuck wires under cover and screw cover back on the pressure switch.

**WARNING: NEVER OPERATE COMPRESSOR WITHOUT PRESSURE SWITCH COVER IN PLACE**

Milton - S1060 1/4" Pressure Switch, UL Listed-CSA Certified 95-125PSI



## CONNECTION DIAGRAM

