INSTALLATION AND OPERATING INSTRUCTIONS

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TX PRESSURE SWITCH INSPECTION AND WIRING MODIFICATION

GENERAL

A routine inspection of Square D Pressure Switches on the Polemount, CD Kit, "G" Series and 5000/5200 Air Dryers has been recommended. While this inspection is made, it is also recommended that a wiring modification be made so both sets of contacts are used simultaneously. Dryers manufactured after June of 1980 include this wiring change.

PURPOSE

A routine inspection of this switch will avoid possible downtime of the air dryer which could occur if this switch was to fail due to wear.

By using both sets of contacts, the wear which is caused by corrosion and normal cycling of the compressor will be more evenly distributed.

Square D Company has also recommended a different block material to be used on all new pressure switches. This new material is approximately three times more reliable than the old. TX has included this new block material in all pressure switches since January, 1979.

INSPECTION INSTRUCTIONS
Disconnect power to the air dryer, remove pressure switch cover and examine contacts for evidence of burning or corrosion. If contacts are badly burnt or corroded, replace with TX p/n 4430A10.

INSTALLATION AND WIRING INSTRUCIONS
After inspection and /or replacement of the pressure switch it is necessary to:

1. Add two jumpers which will utilize both sets of contacts simultaneously (see Figure 1).

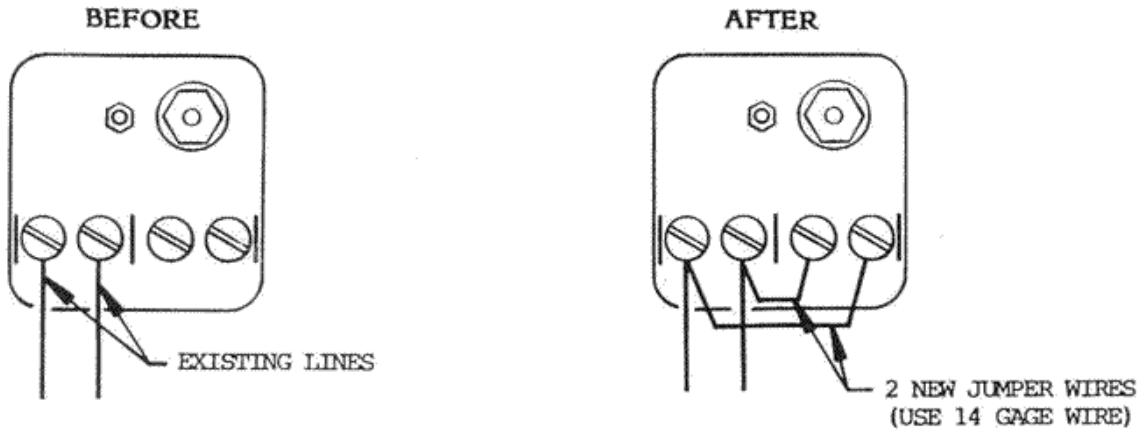

Figure 1

2. Verify that the pressure switch starts and stops the compressor at the proper pressure.

TX Model	Cut-In Pressure	Cut-out Pressure
Polemount	20	48

C D	20	48
“G” Series	20	48
5200	20	48
5000	25	48
7000P	20	48

3. The pressure switch should be ±2 PSIG of the figures shown above. If an adjustment is required, see Figure 2.

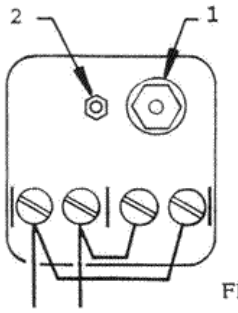

FIGURE 2

1. Cut-in: The large spring (1) controls the cut-in pressure. To make adjustments, turn the nut clockwise (compressing the spring) to raise the cut-in point or counterclockwise to lower the pont of cut-in.
2. Cut-out: The small spring (2) is the differential adjustment and controls the cut-out pressure. To raise the cut-out pressure turn the small nut clockwise (more differential); to lower the cut-out pressure turn counterclockwise.

4. When replacing cover, the acorn nut should only be hand tight.