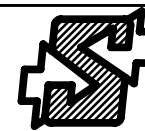


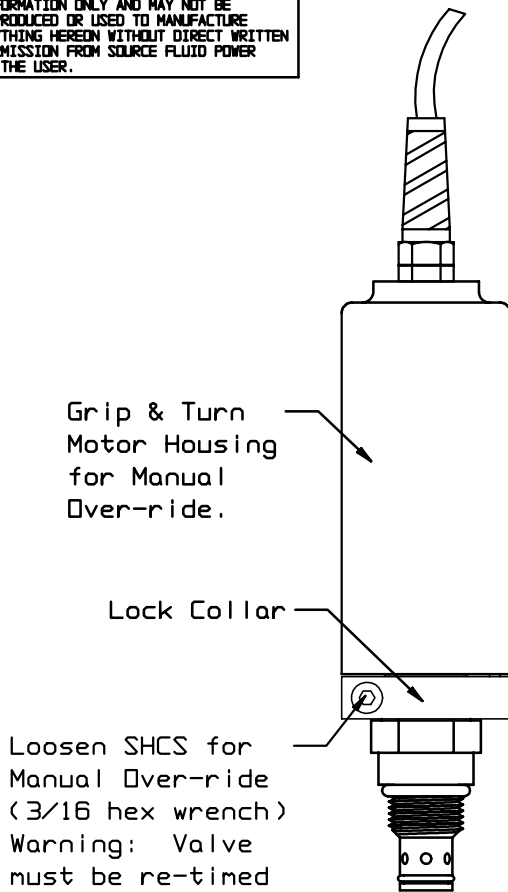
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**SOURCE FLUID POWER**

331 Lake Hazeltine Drive  
Chaska, MN 55318  
952-368-3866 (Fax) 952-448-3392

Manual Over-ride: SFP Motorized Relief Valves  
Part Numbers: P 10 \*\* \*\* and PP 10 \*\* \*\*



Grip & Turn  
Motor Housing  
for Manual  
Over-ride.

Lock Collar

Loosen SHCS for  
Manual Over-ride  
(3/16 hex wrench)  
Warning: Valve  
must be re-timed  
before returning  
to 12 VDC  
operation.

NOTE: Valve adjusts through full range in 1 3/4 turns.  
Manual adjustment through full range may NOT be possible.

**Procedure:**

1. Witness mark lock collar and manifold so that valve can be rotated back to starting position.
2. Loosen SHCS on lock collar using 3/16 " hex wrench.
3. Grab the motor can with your hand and turn the can clockwise to increase the relief setting or counter-clockwise to reduce the pressure setting. DO NOT MANUALLY ADJUST VALVE TO LOWER THAN 50 PSI. Some pressure is required to keep internal parts "seated" in the proper positions. Depending on the position of the internal motor adjustment screw the highest rated pressure setting may not be obtained by manually adjusting the valve. It is also possible, depending on the position of the internal adjusting screw that slightly over the rated pressure of the relief may be obtained on manual adjustment. Manual adjustment should not be done without carefully monitoring system pressure.
4. Tighten lock collar to hold position.
5. If further adjustments are necessary repeat steps 1 through 3 as required.
6. Retime valve by rotating back to witness marks before returning to 12 VDC operation.

**\*\* Never turn more than a total of 1 3/4 turns counter clockwise \*\***  
as motor assembly may separate from hydraulic cartridge causing leaks or potential injury.

TITLE

25200MtrTiming.prt

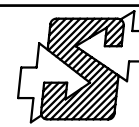
12/05/03

Part Numbers Affected

Motorized Pressure Control: Manual Over-ride and Timing

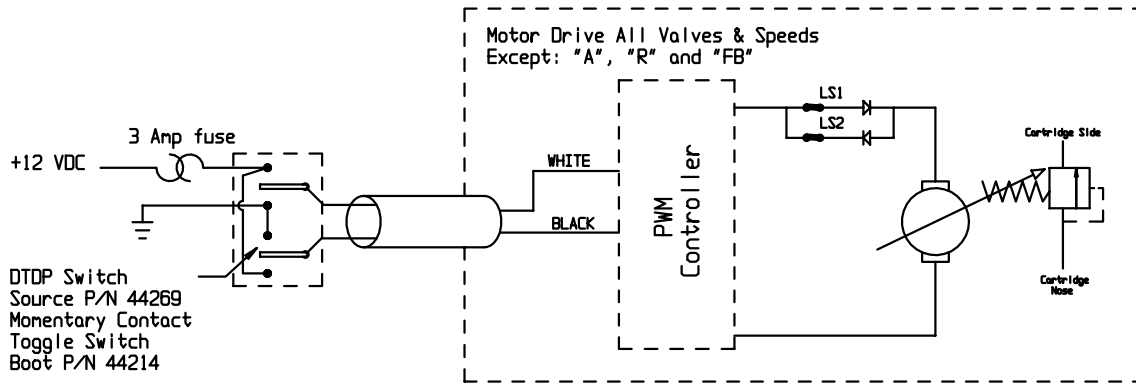
P10\*\* \*\* / PP10\*\* \*\*

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Wiring Diagram for Customer Provided Double-Pole-Double-Throw Switch

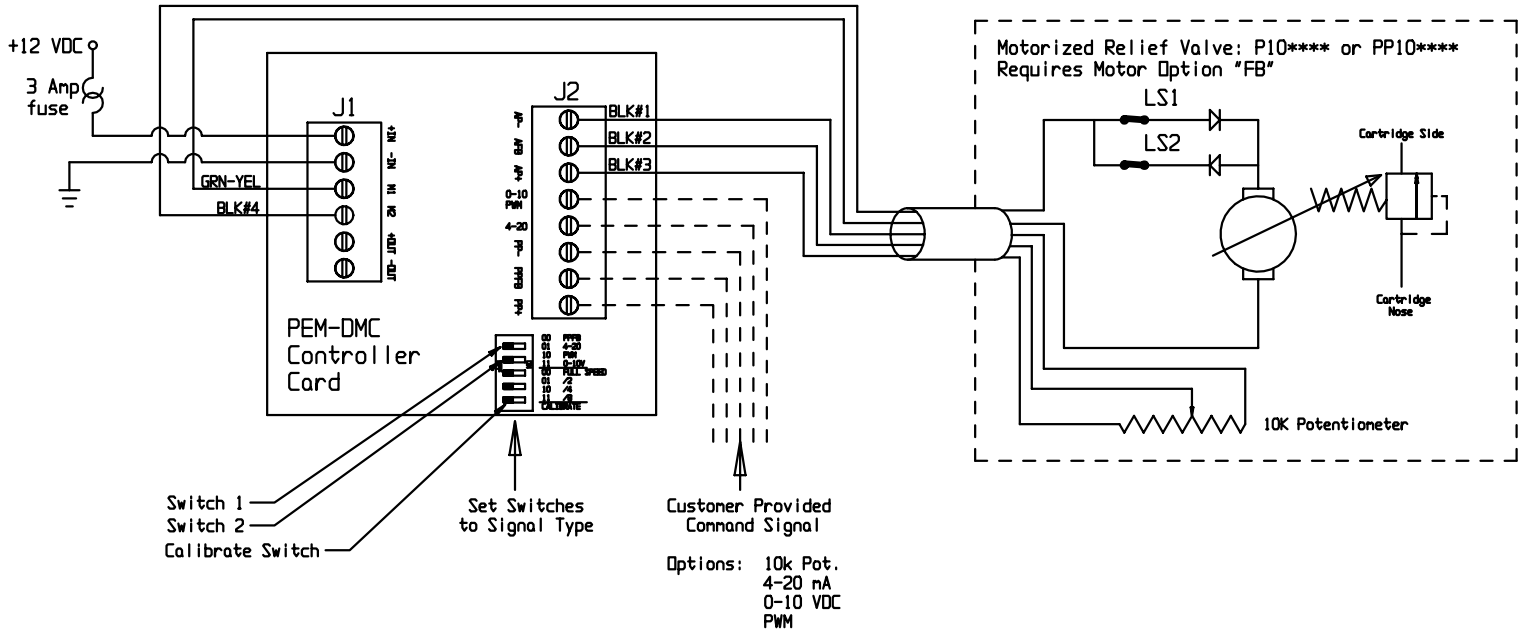


Specifications:

Supply power : 12VDC, 370 mA nominal, 2.75 A In rush

Operation: +12 VDC on black wire and ground on white wire will increase pressure.  
 +12 VDC on white wire and ground on black wire will decrease pressure.  
 Power will internally disconnect at end of travel and respond only to reversed polarity.

Wiring Diagram for Optional PEM-DMC Digital Motor Controller



Notes:

See separate sheets for information and calibration procedures.  
 Digital Motor Controller requires "FB" motor drive option.  
 Consult factory for application possibilities.