12M03-00148-01
SOLID STATE MOTOR-OPERATED POTENTIOMETER

APPLICATION NOTES

1.  In applying the MOP, note that it is based on an eight-bit digital system which gives a resolution of 1 part in 255. This means that setability is in increments of 1/2% ... well within the accuracy of most drives and controls.

    However, on a speed control rated at 1800 RPM, the individual steps of adjustments are approximately 7 RPM. This means that if exactly 250 RPM is desired, the closest setting may be as much as 3 1/2 RPM off.

    If greater resolution is required, the 12-bit MOP Part No. 12M03-00106 should be used. The 12-bit unit has a resolution of one part in 4000.

2.  If "limit switches" (contact closures at various points in the output range) are required, use electronic relay 12M03-0101, 12M03-00116, or cam switch 12M03-00133 (5 electronic relays on one assembly). If only two "limit switches" are required, it may be cost effective to use MOP 12M03-00106 which includes two voltage sensitive relays.

3.  The MOP is designed to reset to zero on "power up." If power is to be reapplied in less than three minutes after removal, the "RESET" function (terminal 3) should be used to insure zero output.