# REFLEX® MODEL 210 SOLID STATE MOP

## PART NUMBER 12M03-00106-01
## APPLICATION NOTES

1.  This device can be used wherever it is desired to adjust a percentage of an analog reference or signal voltage from more than one location. A typical application would be a large commercial printing press where the speed of the press must be settable from each color unit and relay contact closure at various speeds is required.

2.  The device may also be used to permit adjustment of active signals as well as a reference. For example, current limit (torque) could be changed from more than one location or in response to the output of a Programmable Controller.

3.  If used for remote adjustment of trim or draw either a fixed amount or a percentage change can be provided as shown in Figure 2 and 3 below.
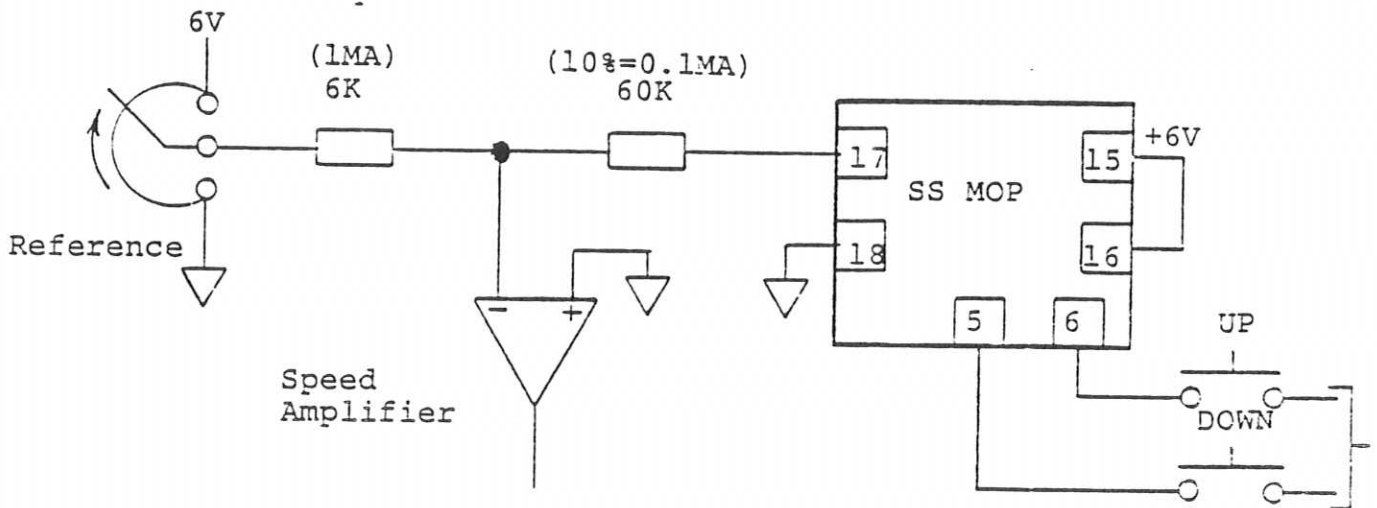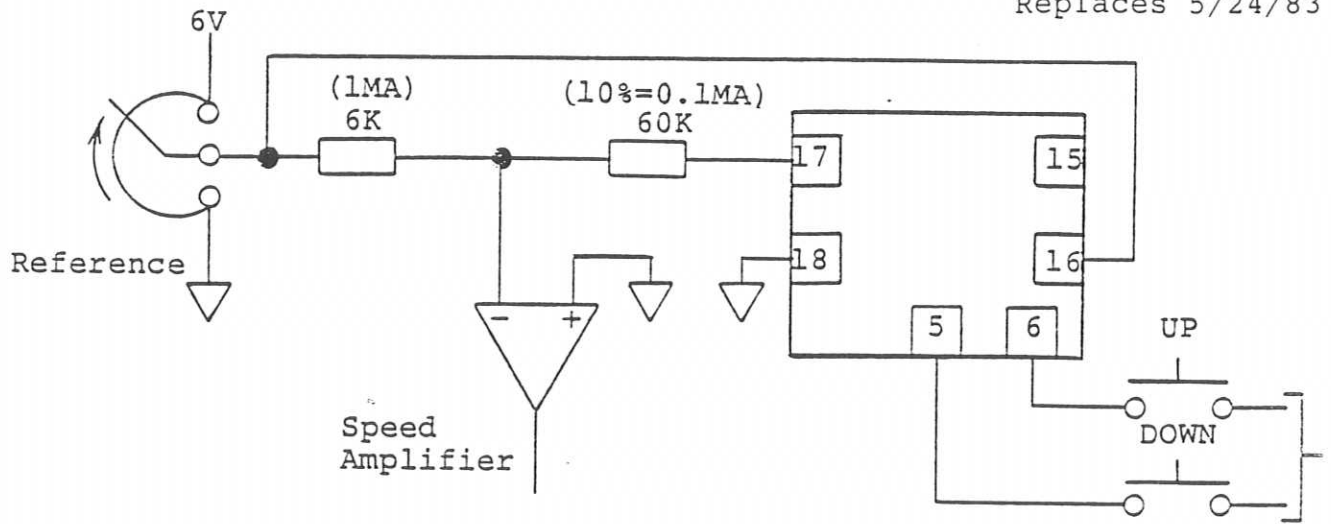


Figure 2 Fixed Amount

## Figure 3 Percentage

4. The device may be used as a timer (2 to 60 seconds) with two separate relay contact operations at any percent of cycle. If the Model 230 Solid State Cam Switch is used in conjunction, separate relay contact operations can be provided during the timing cycle in multiples of five relays for applications such as spot welding, conveyor transfer sequencing or mixing.

5. Where extreme accuracy is required the Reference Input terminal 16 may be connected to the output of the REFLEX Model 206 or similar Precision Reference.

6. If very small increments of change are required, individual pulses of 5 volt magnitude and two microseconds duration may be applied between circuit common terminal 18 and "CLOCK IN" terminal 14 as shown in Figure 4 below:

   Note that it is necessary to activate the "UP" terminal 6 (or "DOWN" terminal 5) simultaneously.
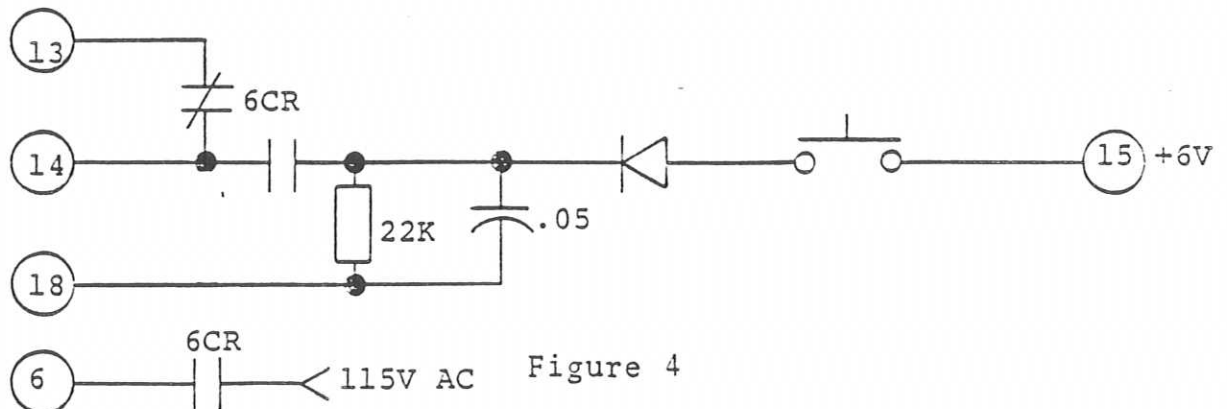


Figure 4

7. The external relay logic must be designed so that the 115V AC is applied intermittently to terminals 2 thru 6. Continuous application of power may overheat resistors 2R thru 6R.