



Application Note #2513

-SSR (Solid State Relay) option for AMP-43140 and AMP-20341

-SSR Option

The AMP-20341 and AMP-43140 linear amplifiers require a bipolar power supply. It is possible that the plus and minus (V+ and V-) rise to nominal voltage at different rates during power up and any difference between voltage levels will be seen as an offset in the amplifier. This offset may cause a slight jump during power up prior to the controller establishing closed-loop control. When ordered with the –SSR option a solid state relay is added to the amplifier. This relay disconnects the amplifier power from the motor power leads when the controller is placed in the motor-off state. If the MO jumper is installed, or the MO command is burned into memory, the addition of the –SSR option will eliminate any jump.