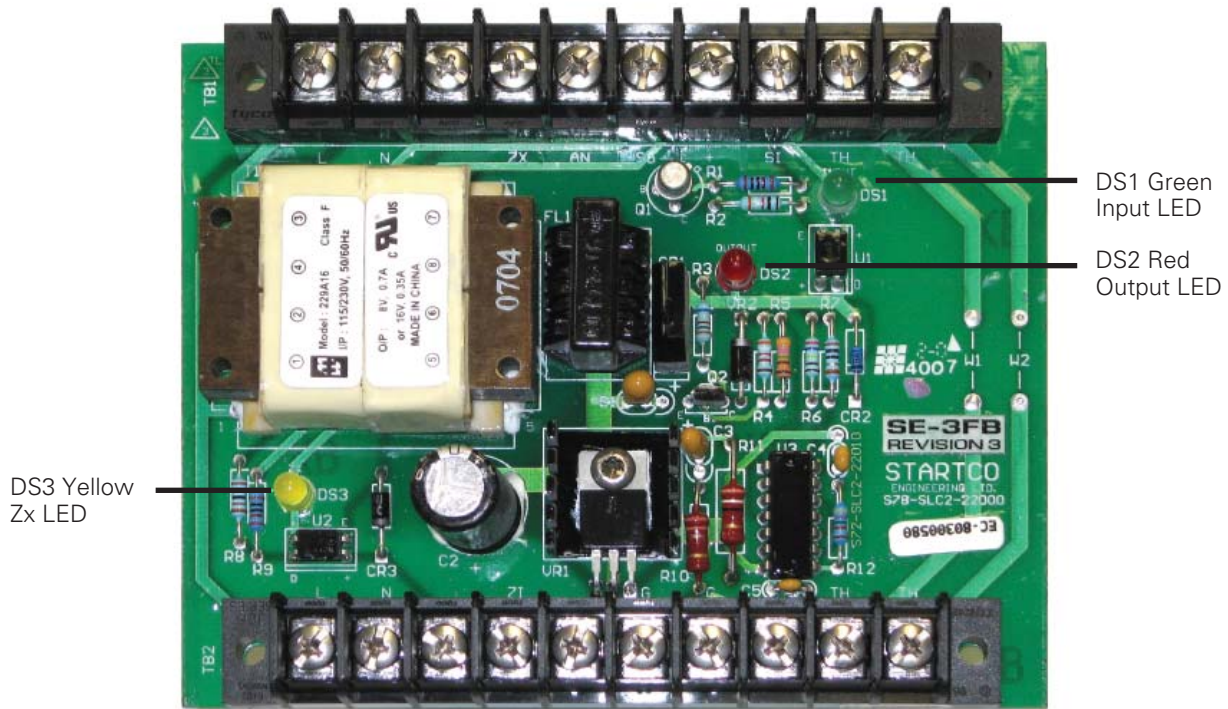


EP-02 : REVISION 3 SE-3FB ADDITION OF THREE DIAGNOSTIC LED'S



The SE-3FB Firing Card is mounted at the top of the SE-901PM Power Module and acts as the interface between the power module and the main starter-control board. The main purpose of the firing card is to provide the proper gating signal to the SCR in the bottom of the power module heat sink.

Three LEDs have been added to the Revision 3 SE-3FB firing card to provide diagnostic information on circuit operation. For single-motor applications and for motor 1 firing cards in multi-motor applications, the yellow DS3 LED is on when the line-side heatsink is energized, the AN terminals are jumpered together, and the SE-3FB is properly wired to the SE-3SCR-LM, SE-2SCR-LC, or SE-1SCR. DS3 provides visual indication that the zero-crossing signal at terminal ZX is being generated for that particular phase. Three zero crossing signals, one for each phase are required by the main board for generating the 3-phase output signals. For multi-motor applications, AN is not jumpered for motor 2, 3, and 4 and DS3 will be off.

The green DS1 LED is on when the output signal is generated by the main board, and the red DS2 LED is on to indicate that the corresponding gate signal is on. DS1 and DS2 should track each other. This applies to all motors in a multi-motor application.