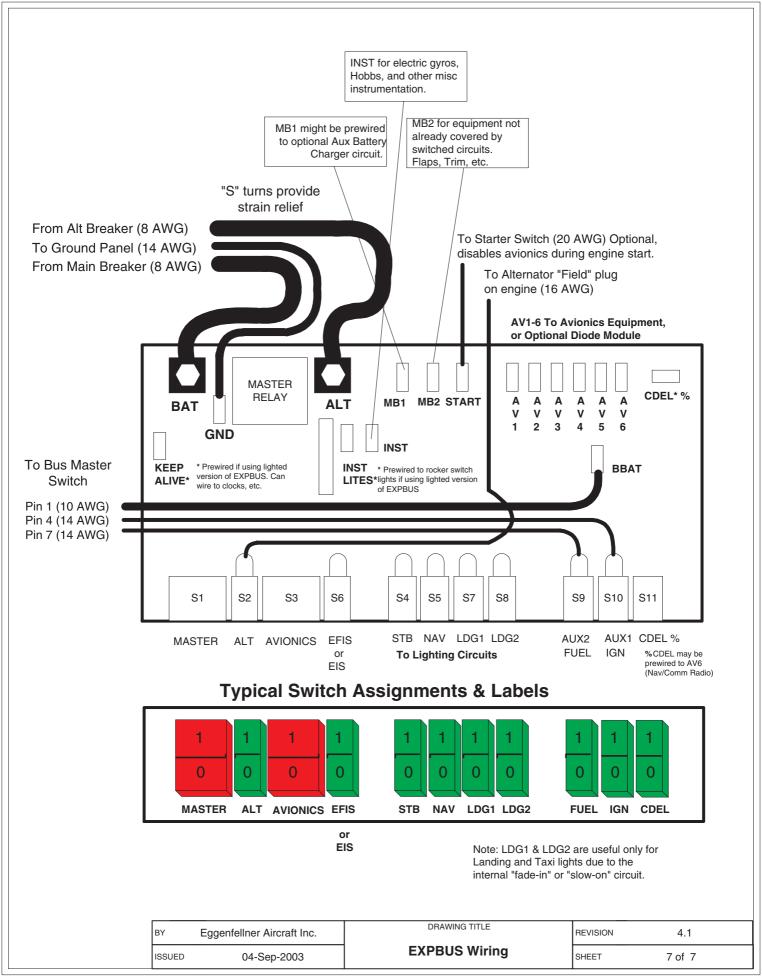
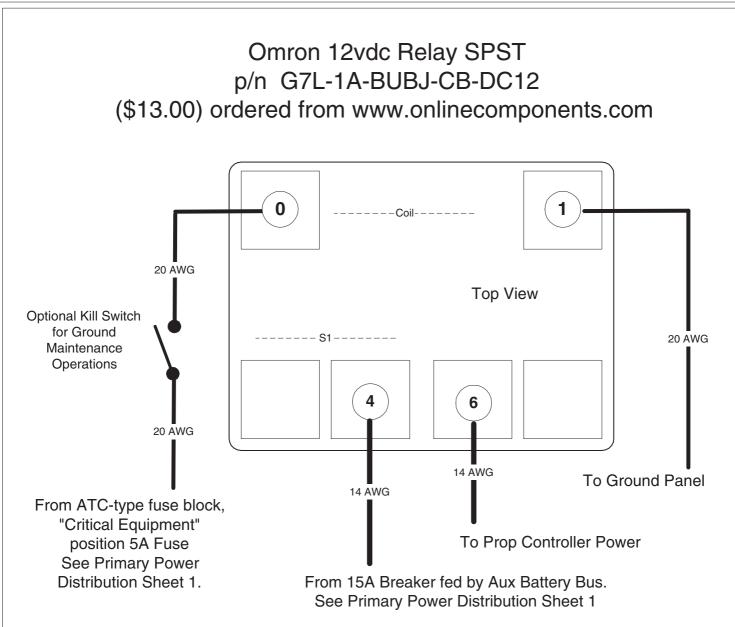


The Pump Select Switch should be set to MAIN initially to allow pressure to build up and avoid triggering Auto-Failover mode. With the Pump Select Switch set to AUTO, and fuel pressure drops below 28psi, BOTH pumps will be activated. You can fly it this way, or toggle the Pump Select Switch to AUX to turn off the suspected faulty MAIN pump.

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The Prop Controller should obtain power from the AUX Battery Bus so that its operation is entirely separate from the EXPBUS unit and power is available in all modes of operation. We do NOT recommend using the EXPBUS to power the prop controller.

A 15A circuit breaker or fuse should be used. As an alternative, you can increase the rating of the accessory breaker designated as "START / HEATER" to 15A and share that breaker with the Prop Controller. Under normal use, the Prop Controller draws approx 2A and will not exceed 5A.

Because the Prop Controller must be "switched", you have three options:

**OPTION 1:** Install a single-pole, single-throw (SPST) switch for the prop controller. You must remember to turn this switch off during shutdown and on during startup. Add these steps to your checklist. An alternative is to use a switch-type circuit breaker as both a breaker and switch, although this is not the preferred method.

**OPTION2:** Install a single-pole, single-throw (SPST) Relay which is controlled via the essential bus. This makes the prop operation automatic, thus there is no change to your checklist. The Relay coil draws an insignificant amount of current (approx. one tenth of an amp), so simply tap into the 5A critical equipment fuse.

**OPTION 3:** Same as option 2, but also include a switch to allow you to turn off the prop controller for ground maintenance operations. **This is the option shown above.** 

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