Figure I – GPN1000

Figure II – Fault and Control Relay Location

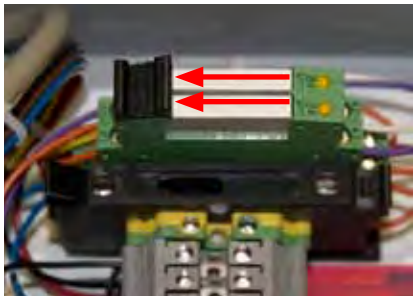

Figure III – Relay Removal

Figure V – Completed Relay Change

RELAY REPLACEMENT PROCEDURE – GPN1000 PANELS

1. Turn the panel power **OFF**
2. Open the panel door and identify the CONTROL and FAULT relays as shown in **Figure II**.
3. Push the black thumb latch located on the relay carrier to the left **(Figure III)**. There will be an audible "click" when it shifts, and it will eject the relay cartridge from its seat in the carrier.
4. Remove the relay cartridge and destroy/discard.
5. Insert the blue solid state relay into the carrier seat. **Note the lead pattern on the bottom of the relay (Figure IV). The relay must be oriented so that this pattern matches up to the pattern in the carrier.** Also note that it has one less pin than the relay that you just removed **(Figure IV)**.
6. Press straight down firmly on the relay cartridge body. When it is seated, the black thumb latch will automatically move to the right to secure the cartridge in place **(Figure V)**.
7. Repeat the procedure for the second relay.
8. The replacement procedure is now complete. Operation of the panel is exactly as it has always been.

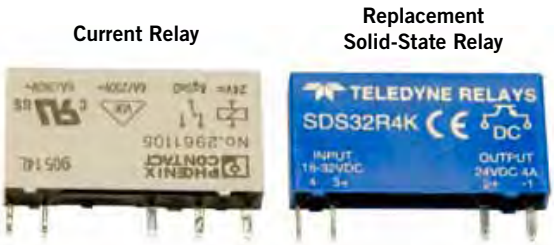

Figure IV – Electro-Mechanical vs. Solid State Relay