The external event output board is a multi-purpose circuit board for use with the Series F4 Ramping controllers. The Series F4 Ramping controller has 8 digital outputs that can perform various functions including event outputs, boost outputs, and compressor control. These outputs provide DC signals to drive devices such as Solid State Relays (SSR) or Silicon Controlled Rectifier (SCR) power controllers. The external event board connects to these outputs for additional output flexibility.

The external event board is available with either 2 or 8 outputs. Listed below are the three basic output options:

1) **Switched DC** (A007-1732-F4C2 or C8)
   This option provides a dc voltage for driving SSR and SCR power controllers similar to the built-in output function, but with additional voltage and current capabilities.

2) **SSR with contact suppression** (A007-1732-F4B2 or B8)
   This option provides an SSR contact capable of switching 24 to 253VAC at up to 0.5 amps. Suppressors are contacted across the relay contacts for applications with inductive devices such as relay coils.

3) **SSR without contact suppression** (A007-1732-F4K2 or K8)
   This option provides an SSR contact capable of switching 24 to 253VAC at up to 0.5 amps. These outputs are for driving resistive loads such as AC SSR inputs.

   **Note:**
   When controlling inductive loads such as relay coils, it is recommended that option 2 above be used or add external contact suppression across the connected load.

**External Event/Alarm Board Dimensions**
Series F4 External Event Board

Ordering Information: 

Event Output Option "C", Switched (dc), non-isolated
C2 = (2) event outputs, switched —(dc), non-isolated
C8 = (8) event outputs, switched —(dc), non-isolated
B2 = (2) event outputs, SSR, Form A, 0.5A, with RC contact suppression
B8 = (8) event outputs, SSR, Form A, 0.5A, with RC contact suppression
K2 = (2) event outputs, SSR, Form A, 0.5A, without RC contact suppression
K8 = (8) event outputs, SSR, Form A, 0.5A, without RC contact suppression

Event Output Option "B" or "K", SSR
Model # A007-1732-F4B2 or A007-1732-F4B8 has on board suppression
Model # A007-1732-F4K2 or A007-1732-F4K8 has no suppression

Connecting a load in series to the output of the SSR and AC power.

Event Board Power Wiring

230 VAC Control Power
Power out for Vasaila Signal Conditioner

115 VAC Control Power
Power out for Vasaila Signal Conditioner

March 2005