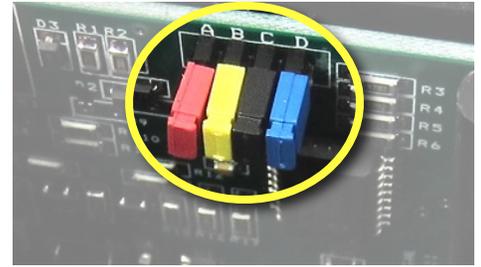


POWER FAIL ALARM (PFA-2)

1. OPERATION MODES

- When there is a power failure, the buzzer sounds red LED blinks. The green button silences the buzzer. The red LED continues to blink until the fault is corrected. If enabled, the “snooze alarm” feature causes the buzzer to sound again 30 minutes after being silenced.
- The “Plug Detection” feature causes an alarm if your plug is pulled out of the receptacle. The PFA uses the ground prong to detect the plug. If you don’t have a ground prong, then disable this feature by removing the red jumper.
- The unit can produce an immediate alarm to detect 50 millisecond power interruptions, or alternatively, the unit can delay before sounding. The immediate alarm is also latching so short interruptions will not be missed.



2. SELECT MODE

The jumper pins determine the different modes as in the tables.



| JUMPER | BEHAVIOR | JMP ON | JMP OFF |
|----------|----------------------|---------|----------|
| A | PLUG DETECTION | ENABLED | DISABLED |
| B | 30 MIN. SNOOZE ALARM | ENABLED | DISABLED |

Jumpers C and D work in combination to produce 4 different modes as follows:



| C | D | MODE | BUZZER DELAY | LATCHING †† |
|------------|------------|------|--------------|-------------|
| ON | ON | 1 | None | Yes. †† |
| OFF | ON | 2 | 10 sec. | No |
| ON | OFF | 3 | 30 sec. | No |
| OFF | OFF | 4 | 15 min. | No |

††
Latching means the alarm stays on (even if the fault is corrected) until manually cleared by pushing the green button.

3. OUTPUT

A contact close (or open) is available on the 3-position terminal block marked J3. You will have to pull the circuit board up from the box to access J3. A sample wire is connected for testing purposes.

This output responds only to power failures, not to a missing plug.

4. OTHER NOTES

- LED FLASHING: always indicates a fault, either no power, or low battery, or no plug. (if plug detection is enabled).
- PLUG DETECTION: there can be up to a 15 second delay before a missing plug is detected.
- BATTERY LIFE is more than 10 years if passively monitoring. Extended use of the buzzer (70 hours) or flashlight will naturally deplete the battery. Low battery voltage is signaled by 5 seconds of quick beeping twice per minute and continuous flashing of the red LED.



J3 TERMINAL BLOCK

Feb 23, 2018