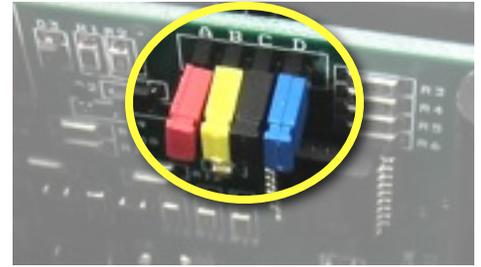


POWER FAIL ALARM (PFA-2)

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 as until the fault is corrected. If enabled, a “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 in the PFA-1. Your plug is detected using the ground prong.
- The unit can produce an immediate alarm to detect 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†	CONTACT CLOSE (J5)
ON	ON	1	None	Yes. †	No delay - continuous close
OFF	ON	2	10 sec.	No	10s. delay-5 sec. close
ON	OFF	3	30 sec.	No	10s. delay-continuous close
OFF	OFF	4	15 min.	No	15 min. delay - 5 sec. close

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

3. INSTALL

A contact closure or 9V output is available on terminals marked JP3. See above “C and D” table for the various durations.

CONTACT CLOSE (DEFAULT): Terminals O+ and O- will close when there is an alarm condition. The O+ terminal is positive.

9V OUTPUT

A supplied jumper across O- and - gives a 5 second output across O+ and + terminals. The + terminal is positive. 5 sec. output repeats every 30 mins until button pushed.



J5 TERMINAL SET FOR 9V OUTPUT

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.

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