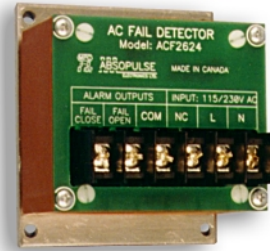


# ACF2624 AC FAIL DETECTION CIRCUIT

- Meets safety and EMI standards
- High quality and reliability
- Made in North America



The ACF2624 detects AC-line failure within 1ms - 2ms typical and 3.5msec maximum, a speed critical for minimizing required power supply hold-up time. This stand-alone circuit is suitable for AC-line monitoring, and may be designed into electrical equipment for a diverse range of applications, including transfer switches. The ACF2624 features a built-in auto-ranging circuit which enables operation for 120Vac or 240Vac. The unit has fail-open and fail-closed output terminals. These alarm outputs are TTL compatible. The TTL level can however be overridden and increased up to 28V, by external resistors. Various mounting options are available, including DIN-rail mount and chassis-mount. These compact modules measure 2.67"x 2.2" x 1.41".

## SPECIFICATIONS

### Input Voltage

115VAC or 230VAC  
47-63Hz

### Input Isolation

2250VDC line to  
chassis / output.

### Detect time

1- 2 ms typical  
3.5 ms max.

### Alarm Output

Fail open and fail closed.  
Sink and source capacity:  
1 TTL load

### EMI Suppression

EN 55022 Class B.  
as a minimum

### Input/output connections

Screw type terminal block

### Output connections

Screw type terminal block

### Operating Temperature

0 to +50°C

### Storage Temperature

-55 to 85 °C

### Dimensions

2.67"x 2.2" x 1.41"  
68mm x 56mm x 36mm

**Warranty:** Twelve months subject to application within good engineering practice  
Enhancements to these general specifications and customizing can be accommodated upon request.  
Designed to meet all approval requirements.

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Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. ABSOPULSE is a BABT-approved Facility

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