

## AC FAIL DETECTION CIRCUIT ASW-ACF2624

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



The ASW-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 ASW-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:** Twenty Four months subject to application within good engineering practice  
Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications subject to change

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1976. Custom or standard.**