

ADT115L mV Single level Trip Amplifier with latched output

- Suitable for a mV input with a span >5mV
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Response Time

For a closed pair to break <0.5mS

Isolation

4000Vdc Input/Contacts

2500Vac input/Contacts/Supply/Earth

Contacts

3 x normally open reed relay pairs

Rated 1A, 100Vac at 100VA resistive

Technical Specifications

Input

A millivolt signal from a DC shunt, with a span of more than 5mV's. Input impedance >250K ohms.

Output Relays

When the input signal goes into the fault condition the output relays will de-energise into latch

Output

In this high trip application, the relay will change state when the input exceeds the trip level, for a period of more than 0.2mS. The relay will return to the healthy state when the input is than the trip set point and the external reset circuitry is operated.

Input open circuit response

For this application:

Upscale into the trip condition

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

Dimensions

152w x 81h x 137d (mm)

