

ADT131KT Process Trip Amplifier with Time Delay

- Suitable for SIL 1, 2 or 3 applications
- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 (<10V/m)
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Output

The trip output has a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive)
In a typical high trip application, the relay will change state when the input exceeds the trip level for a time period greater than that is set on the delay potentiometer. If the input goes back into healthy state the trip will go back into healthy state and the timer goes back to zero.

Delay

A time period with a 10:1, e.g. 2 to 20 seconds

Isolation

500Vdc Input/Output/Supply/Earth
Open circuit response may be specified as Upscale or Downscale

Performance

Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Trip deadband: $\pm 1\%$
Response time: <400mS

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Dimensions

50w x 75h x 182d (mm)

