

ADT123XCDIP-CEMC 1oo2 RTD High Temperature Trip Unit

- Suitable for SIL 1 & SIL 2 safety system (IEC61508) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac / 230Vac $\pm 20\%$
24Vac $\pm 10\%$
24Vdc / 48Vdc $\pm 10\%$
110Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty

Technical Specifications

Inputs

2 x 2/3-wire RTD, PT100 temperature sensors
(or Termination point for N.O relay contact when used in conjunction with the ADT123XCDIP-1oo2 Temperature Trip Amp)

Output

N.O relay contact, for use as Input 3 to the ADM239XCDIP Fan speed Control unit when temperature monitoring is required (in addition to the usual pressure only monitoring)
Associated fan control unit is set for 12mA output as the ideal speed.

Functions

The relay output forms input 3 open or closed contact for the ADM239XCDIP fan speed control unit.
Normally Closed contact (healthy temperature) relay contact is terminated in i/p3, then as either one of the two temperature readings exceeds the nom 59°C set point the contact will open at i/p3, causing an o/c input condition to be seen & resulting in maximum fan speed.
(Otherwise a hardwired Link would be fitted across i/p3 terminals).

Isolation: 1000V RMS Input(s)/Output/Supply/Earth

Accuracy/Linearity: $< \pm 0.1\%$ span

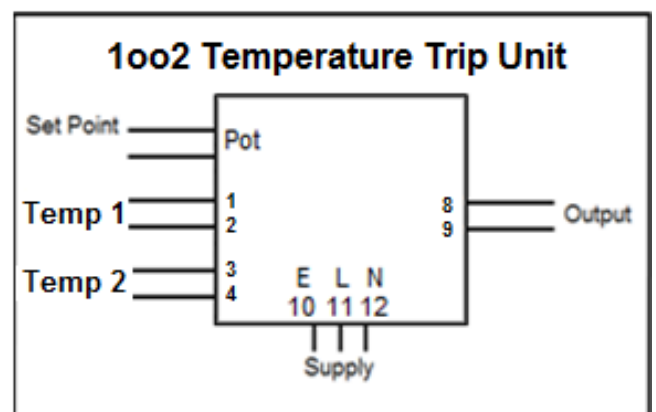
Input 1 or 2 Open Circuit Response: Upscale Drive

Environmental Conditions

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

Dimensions: 50w x 75h x 155d mm enclosure (incl terminals)

Front Bezel= 57w x 96h mm (panel cut out = 51w x 76h mm)



Rear Terminals Shown