

ADT139DITX Summator with Absolute & Sum Trip

- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Technical Specifications

Inputs

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

Trip

Trip 1 = Summed Trip 2 = Absolute on Input 1.
Above can be specified as High or Low, fail safe or non-fail safe. Trip range 0-110% of input, set by 15 turn blindset potentiometer. Trip time delay is active on trip and reset is immediate.

Delay

Time 1 = 200 to 400 sec Time 2 = 0.5 to 10 sec
Set by 15 turn blindset potentiometer in the range specified above. Delay time can be monitored as frequency (Hz) on Test 1 / 2.
Delay time = $(1/\text{Freq}) \times 8192$. A link across TB7/8 will put Time 1 to fast to aid testing.

Display

Continuous display of the summed signal on a 4½ digit LCD. On operating push button the display will show the Inputs / TRIP set points in the same scale. The display range can be specified in the range -19999 to +19999.

Outputs

Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).

Performance

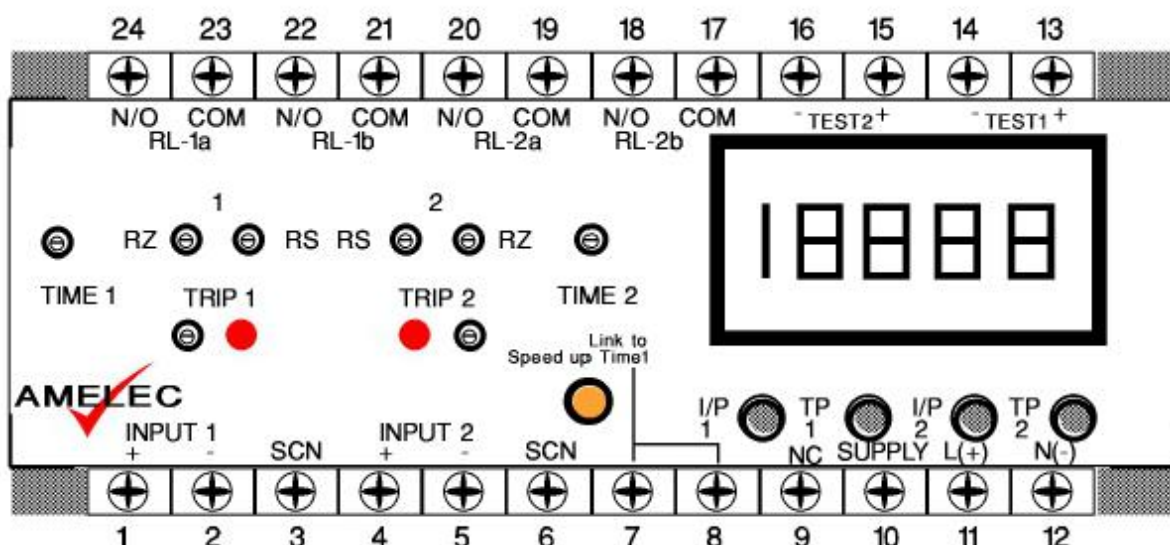
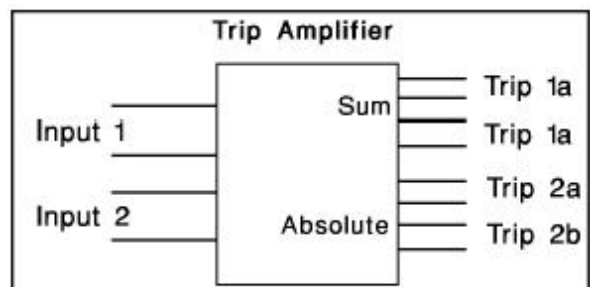
Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: <400ms

Environmental Conditions

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

Dimension

152w x 81h x 137d (mm)



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