

Comparitors and Schmitt Triggers

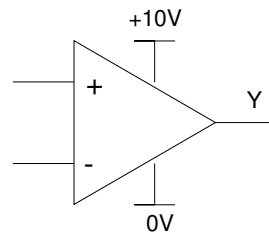
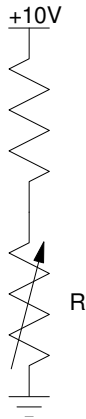
A thermistor (temperature sensor) has a resistance - temperature relationship of

$$R = 1000 \cdot \exp\left(\frac{3905}{T+273} - \frac{3905}{298}\right) \Omega$$

where T is the temperature in degrees Celsius.

Design a circuit so that outputs

- 0V when T < 5C
- 10V when T > 5C



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