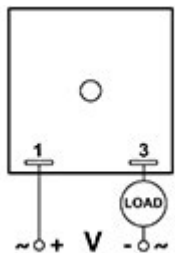




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Product Specifications**THL-8024U-41**

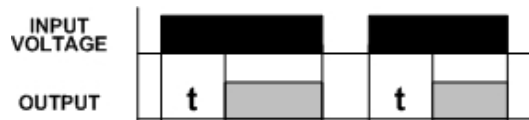
Use socket: N/A

Family: TIME DELAY RELAY
Function: ON DELAY
Timing Range: 1-1,023 SEC
Input: 24-240V AC & 12-48V DC
Output: 1A NORMALLY OPEN (SOLID STATE)

Image may not be exact product—for reference only.

Description of function:

Upon application of input voltage, the time delay (t) begins. At the end of the time delay (t), the output is energized. Input voltage must be removed to reset the time delay relay & de-energize the output.

Function Chart:**Application Information**

- **Voltage Tolerance:** AC Operation: +10/-15% of nominal voltage, 50/60 Hz $\pm 5\%$. DC Operation: +10/-15% of nominal voltage.
- **Load (Burden):** Maximum of 1 VA for all voltages
- **Setting Accuracy:** Constant Voltage & Temperature w/i specifications: $\pm 2\%$ of set time or $\pm 50\text{ms}$, whichever is greater. For Variable Voltage & Temperature w/i specifications: $\pm 5\%$ of set time or $\pm 50\text{ ms}$, whichever is greater.
- **Repeat Accuracy :** Constant Voltage & Temperature w/i specifications: $\pm 5\%$ of set time or ± 0.02 seconds, whichever is greater. For Variable Voltage & Temperature w/i specifications: $\pm 0.1\%$ of set time or ± 0.02 seconds, whichever is greater.
- **Reset Time:** 50ms
- **Output Contacts:** Normally Open Solid State 1A Continuous, 10A Inrush @ 65° C, Pilot Duty
- **Life:** No predictable failure if used within operating parameters.

Leakage Current (OFF-State): <5 ma @ 240VAC**Minimum Load Current:** 20ma**Effective Voltage Drop (ON-State):** Maximum 3V @ 1A for all voltages

- **Temperature: (Storage)** -40° to 85° C (-40° to 185° F); **(Operating)** Operating: -40° to 65°C (-40° to 149°F)

- **Approvals:**

**Dimensions** Inches (Millimeters)