



Figure 1. Stereoscopic View

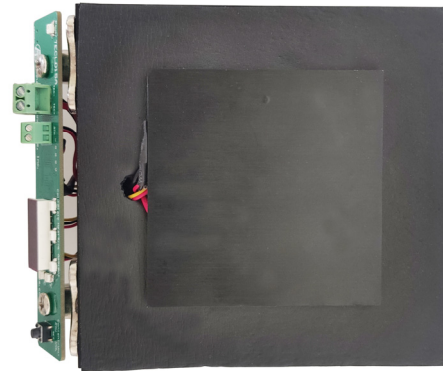


Figure 4. Top View



Figure 2. Front View



Figure 5. Back View



Figure 3. Side View



Figure 6. Bottom View

MAIN FEATURES

Input Voltage: 5VDC \pm 5%

Max. TEC Current: 15ADC

Large Platform for Thermal Load:
80mm(L) \times 80mm(W) \times 5mm(H)

Wide Temperature Regulation Range: 0°C to 85°C

Displayed Temperature Stability: 0.5°C

High Thermal Load Capability: 47.5W

Display of Temperatures

Easy to Use

100 % Lead (Pb)-Free and RoHS Compliant

APPLICATIONS

It can be used for evaluating TEC controllers, TECs and heat sink, etc. Also, when working with our TEC controller and evaluation board, it can stabilize an object's temperature for scientific experiments.

DESCRIPTION

The TECLD15A is a TEC controller load assembly that comes with one TEC module, one heat sink, one high efficiency fan on the hot side, and one large-size platform, etc. A digital display shows the temperature of the cold plate and the heat sink, and the ambient temperature.

Note: The platform is made of 6063 aluminum alloy. The material, size and shape of the platform and the specifications of the TEC module can be customized.

OPERATING PRINCIPLE

1. After powering on, the assembly displays the temperature at the unit of °C. Long press the button to convert the unit.
2. Short press the switch to display the temperature of the test point in turn.

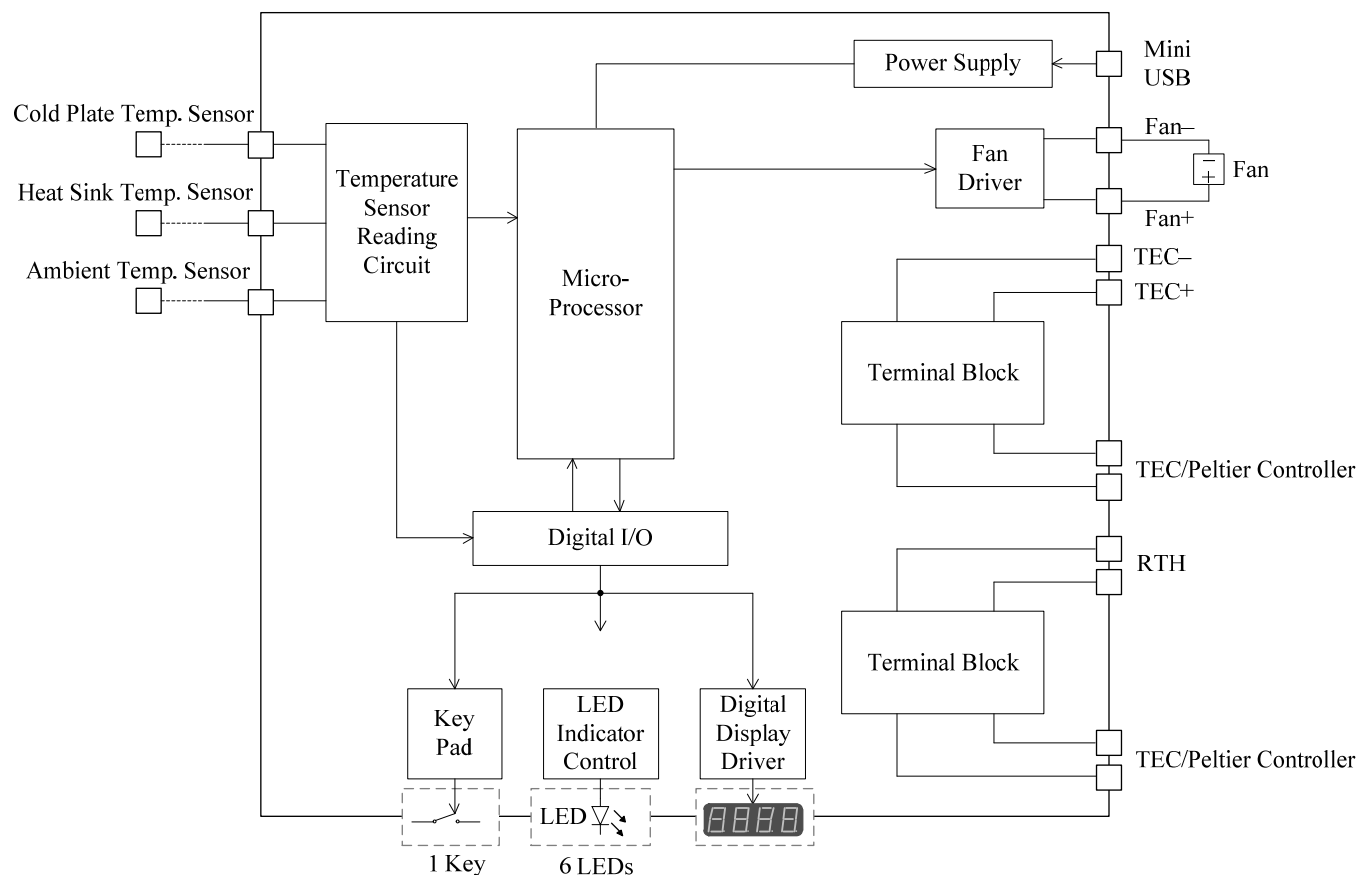


Figure 6. Block Diagram

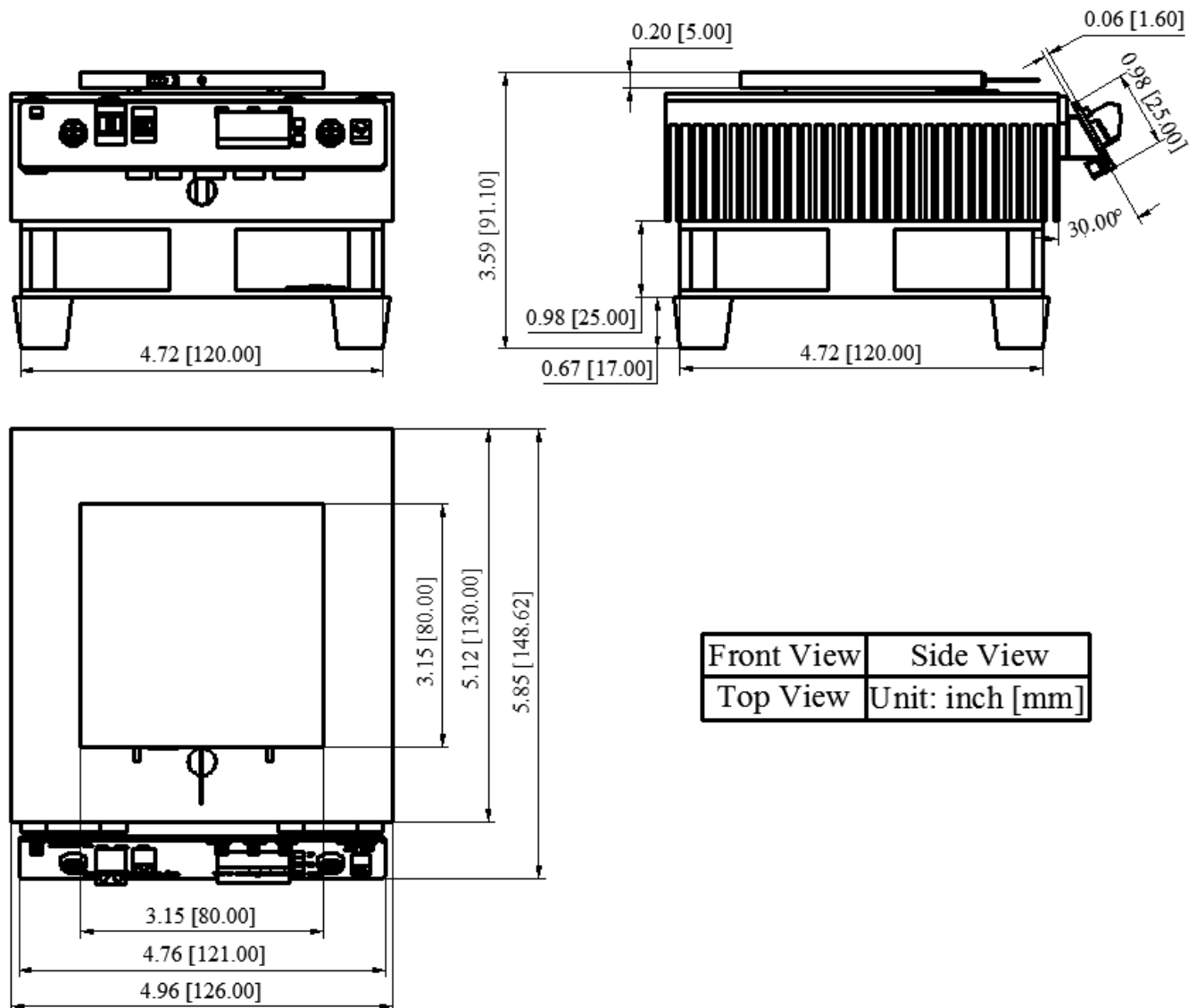


Figure 7. Mechanical Dimensions



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