



Summary

This device is a temperature controller developed to drive a cascade-type Peltier temperature control head. The temperature controller is equipped with a programmable controller, allowing for high-precision temperature control ( $\pm 0.1^{\circ}\text{C}$ ) and a wide range of temperature control ( $-60^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ ), and it can also be connected to a PC (RS-485). This is a higher-grade Peltier temperature control device that comes standard with a Pt100 temperature sensor.

Specification

Type	<b>FC-4610</b>
Temperature Range ( $^{\circ}\text{C}$ )	$-60 \sim +150$ (Depends on Peltier specifications)
Temperature accuracy ( $^{\circ}\text{C}$ )	$\pm 0.1$
Temperature Sensor	Pt100 Platinum resistance thermometer, Thermocouple (K or T)
Output Voltage (V) / Current (A)	Two systems, DC-12V and 4V, exclusively for cascade Peltier. / MAX 6A
Control method/Temperature controller	Time proportional PID control / SDC-35 (Asbil)
Temperature Program	8 points
Power Voltage (V)	AC 100 ~ 240
Dimension (mm)	320 x 220 x 120(H)
Serial port / PC port	RS485 / Yes

Temperature Characteristics

