

## Temp. Controller

### FC-1224/2410/3510

### Peltier device for Temperature Control



#### Feature

Multi-Peltier temperature controller FC-2410/3510 are the products made by **SENSOR CONTROLS**. Not only peltier but temperature control of the peltier products of the other company where Drive voltage differs is possible. FC-2410/3510 are high precision with a temperature control Accuracy of  $\pm 0.1^{\circ}\text{C}$ , and wide use model FC1224 are accuracy  $\pm 1.5$ . by using the software for exclusive WINDOWS (option), a complicated caloric test program is also interlock equipment for setting easy water Cooled systems.

A simultaneous experiment -Multi Chanel model pleasing .

#### Spec.

MODEL	FC-1224	FC-2410	FC-3510
Accuracy ( $^{\circ}\text{C}$ )	$\pm 1.5$	$\pm 0.1$	$\pm 0.1$
Setting Range ( $^{\circ}\text{C}$ )	$-50 \sim +150$		
Temp. Sensor	Pt100 Platinum resistance Thermometer		
Peltier Element used	DC24 / 6.5 or DC12V / 6.0(appoint)	DC24 / 6.5A DC20~DC4 まで 2V Steps Setup by DIP SW	
Output (V) / (A)			
Control Method	ON/OFF Control	PID Control	
Temp. Regulator	SDC-15 (Yamatake Co.)		SDC-35 (Yamatake Co.)
Power (V)	AC100~240		
Dimensins	260 × 200 × 70 (mm)		320 × 220 × 120 (mm)
Cereal port	—	RS-485	RS-485

## Temp. Controller



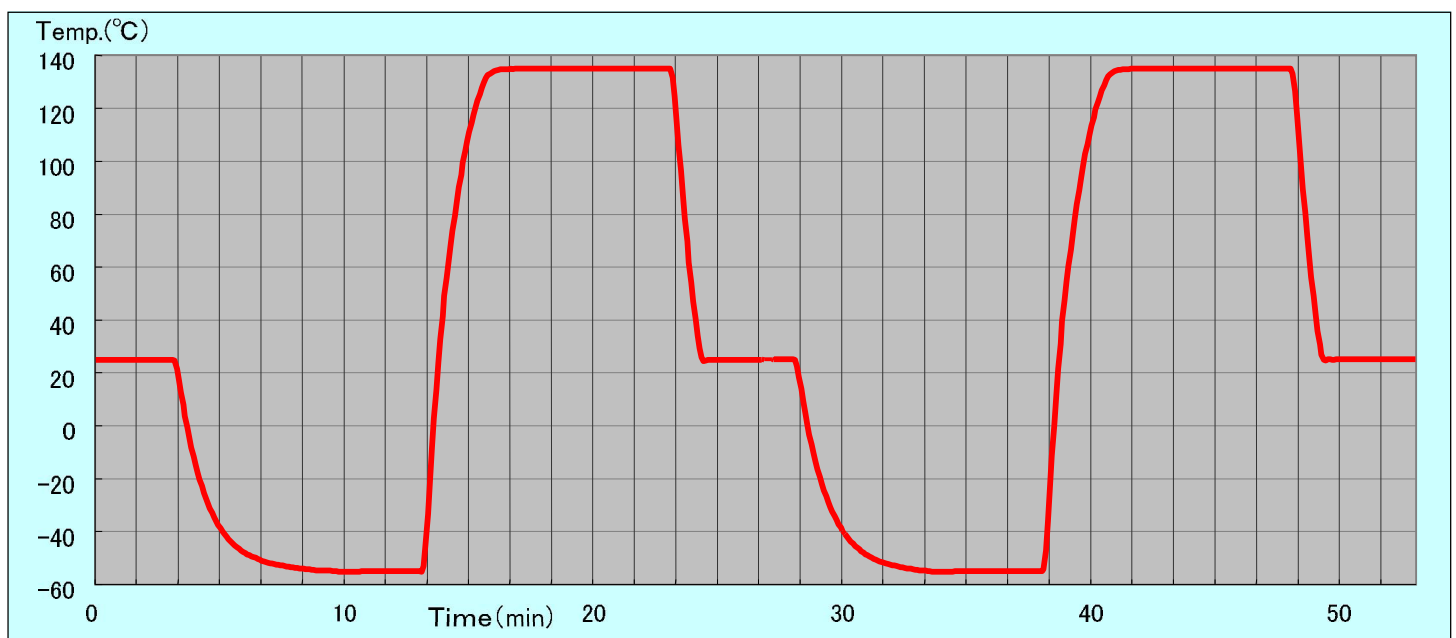
### Feature

This vessel is the temperature controller developed since a cascade type peltier Thermal head Was driven. Thermoregulators are loading and highly precise temperature control ( $\pm 0.1^{\circ}\text{C}$ ) about A programmable contoroller. Wide temperature range  $-60^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$  (temperature setting possible Range) pc, and a connectable temperature sencer (option), they are the peltier Thermal head control Devices on a one rank, such as standard equipment, about pt100 temp. sensor.

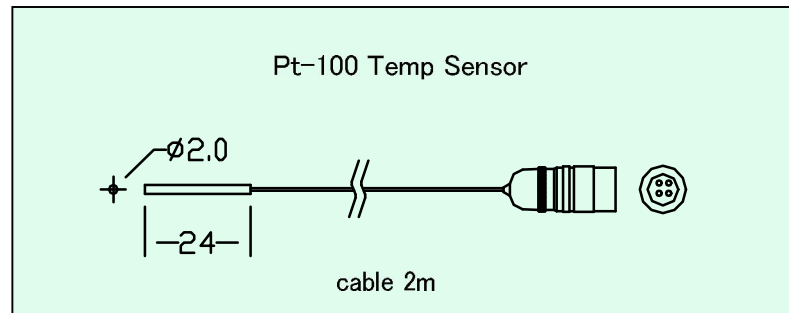
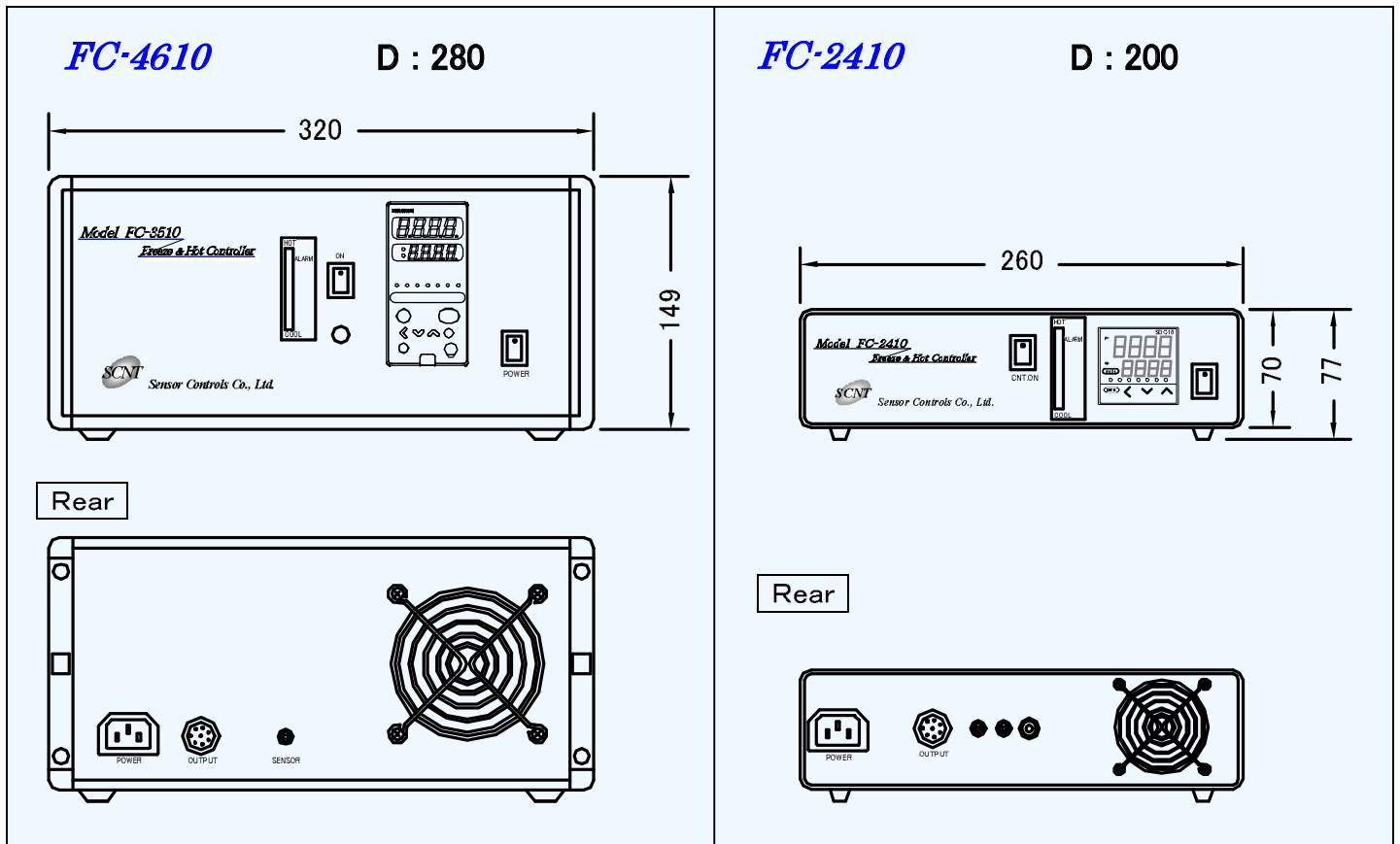
### Spec

MODEL	FC-4610
Temp. Reng ( $^{\circ}\text{C}$ )	$-60\sim+150$
Temp Control Accuracy ( $^{\circ}\text{C}$ )	$\pm 0.1$
Temp. Sensor	Pt100 Platinum Measur Temp.Resistans
For Peltier Output (V) / (A)	Use Cascade Peltier Device DC-12V $\cdot$ 4V/ 6A
Control Method/Temp Regulator	PID Control / SDC-35(yamatake. Co. )
Temp. program	8 Point
POWER Supply (V)	AC100 $\sim$ 240 50/60Hz
Dimension (mm)	320 $\times$ 220 $\times$ 120
Serial port	RS485/ Dsub9pin

### Temp. Profile



## Dimension



## Block Diagram

