

7.2 Other faults

The below table includes faults not detected by self-checks and operational mistakes that are easily mistaken as faults.
Note, also, that the fault symptoms listed in the below table can occur when the chamber is equipped with certain options even though there is nothing wrong with the equipment. For more information, contact the place of purchase or ESPEC CORP.

Table 7.2 Other faults

Symptom	Probable cause	Remedial action	Reference
The display does not light up even when the (POWER) key is pressed.	The primary power is OFF.	Turn ON the primary power.	—
	The main power switch is OFF.	Turn ON the main power switch.	4.6
	Phase is out of sequence. (SPH(H)-401)	Reverse the wires (×2) of the power cord.	
	The fuse is blown.	Replace the fuse.	7.3
The temperature setting cannot be changed.	The keys are locked.	Unlock the keys.	2.3
Too much time is required to pull up/down temperature	Heat load of specimens is large.	Reduce the number of specimens.	4.3
	Ambient temperature is too low/high.	Raise/lower the ambient temperature.	—
	The damper is open/closed.	Close/open the damper.	5.1
Temperature uniformity is uneven.	Air circulation inside the chamber is poor.	Improve air circulation.	4.3
	Specimens are generating too much heat.	Reduce specimen heat generation.	—
	Excessive ventilation.	Reduce damper aperture.	—
Temperature is unstable.	Excessive ventilation.	Reduce damper aperture.	—
	Ambient temperature changes more than 5°C per one hour.	Stabilize ambient temperature, then restart operation.	—
	Power supply to high heat-generating specimens is turning ON and OFF.	Reduce specimen heat generation.	—
Temperature gradually rises above the set temperature.	Specimens are generating too much heat.	Reduce specimen heat generation.	—
Strange odors or smoke is protruding from the chamber.	Immediately after installation, the shelf brackets and shelves may burn, producing a strange odor and smoke.	No trouble has occurred with the chamber. No remedial action is needed.	—

7.3 Replacing the fuse

When the fuse blows, replace it by observing the following procedure.

The customer must keep a supply of spare fuses.

- ① Turn OFF the main power switch.
- ② Open the electrical compartment door.
- ③ Take out the fuse and check if it has blown or not.
- ④ Replace the fuse with a spare, if blown.

• If the fuse blows immediately after being replaced, contact the place of purchase or ESPEC CORP.