

# 6

## Daily maintenance and inspection

This chapter explains daily maintenance and inspection. Pay careful attention to the information herein, so as to keep the equipment in prime working condition.

### 6.1 Leakage breaker trip test

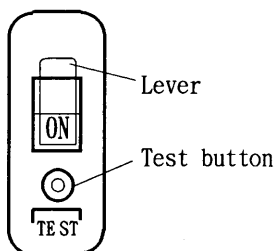
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This chamber uses a leakage breaker as the main power switch. This test confirms whether the breaker is functioning correctly or not.

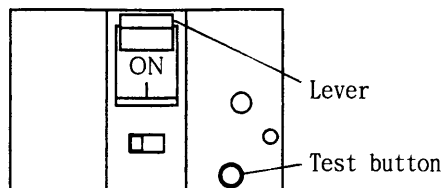
Perform this test monthly and before starting endurance tests or other long run operation.

- With both the primary power and main power switch ON, gently press the test button. The Lever of the main power switch will trip if the working properly. If it fails to trip, there is something wrong with the switch. Contact the place of purchase or ESPEC CORP.

- When the switch trips, the lever stops at a point between the ON and OFF positions. To reactivate power, turn the switch completely OFF then ON again.



For 1 phase power supply



For 3 phase power supply

Fig. 6.1 Leakage breaker trip test

## 6.2 Overheat protector trip test

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Before starting operation, test the overheat protector for proper tripping.

- ① Set the overheat protector temperature below the actual chamber temperature.

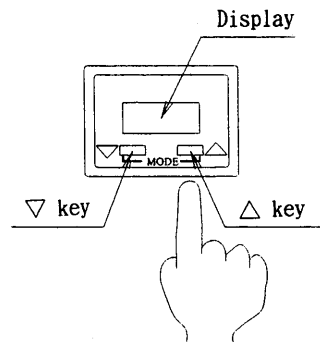


Fig. 6.2 Overheat protector trip test

- ② If the overheat protector is functioning properly, an alarm will be generated: a fault indication lamp will light up and the buzzer will sound. If an alarm is not generated, there is something wrong with the overheat protector. Contact the place of purchase or ESPEC CORP.



- ③ To clear the alarm, press the **POWER** key to shut OFF power to the chamber, and then reset the overheat protector.

- If the overheat protector trips, all of the digits of the setting device display flash.

## 6.3 Cleaning inside the chamber

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After operation has ended, wipe away dirt from inside the chamber with a soft cloth.

## 6.4 Cleaning inside the electrical compartment

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Because the electrical compartment is ventilated, dust easily accumulates inside. Dust accumulation may cause leakage and faulty contacts. Clean inside the electrical compartment once every 2 or 3 months with a vacuum cleaner.

## 6.5 Cleaning inside the exhaust duct

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### **CAUTION**

Be sure to clean inside the exhaust duct, whether of our manufacture or installed by you, once every 2 or 3 months.

The vapor from specimens or airborne substances may settle inside the exhaust duct as sludge. Accumulated sludge may be ignited by the hot air of the exhaust.