

Mercury Free Independent Over Temperature Alarm

The new mercury-free independent over-temperature alarm is a “normally active” device that deactivates when an over temperature condition occurs.

Does away with the need to use mercury making a more environmentally and employee friendly setter and/or hatcher.

Control system requires a signal from the over-temperature sensor in order to silence the audible alarm and/or turn off any visual alarm.

If the device fails or a break occurs in the wiring circuit an alarm situation is immediately created.

An alarm condition signals either the presence of a temperature in excess of the pre-set 101°F (38.3°C) temperature (102°F/38.8°C preset also available upon request) or a system malfunction, either of which must be reacted to immediately!

As long as there is power to the setter/hatcher the system will be operational. Even if the machine is set in out of service mode, the over-temperature system will continue to function.

Eliminates the complicated and increasingly expensive process of transporting replacement mercury thermostats to your hatchery.



The system—like all critical alarm systems—should be checked on a periodic basis using a standard calibration system (also available from Chick Master). However, due to the positive feedback design of the system, a system malfunction is far less likely to go undetected than in a mercury based system.

Kits consist of alarm board(s), enough probes to place one in each zone being monitored and the wire to connect the probes to the boards. Power to the boards is supplied from the setter/hatcher main control box.

Mercury in its liquid form is a toxic substance. Many countries including the EU and most US states have enacted legislation and written regulations with the goal of reducing mercury emissions to air, land, and water. Many mercury containing products such as thermometers, float valves and barometers have been largely phased out. The over temperature alarm unit complies with all recent legislation on the use of mercury in industry worldwide. This system is RoHS compliant.



This handy sticker is also supplied for you to affix to the front of the incubator to show that your company is complying with the latest industry regulations on the use of mercury.



The complex electronic system is housed in a water resistant box on top of the setter/hatcher. The electronic probe is fed through the roof of the incubator, usually in the same position as the present mercury thermostat.

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Some things you should know about Mercury:

- Mercury is a neurotoxic, heavy metal that is linked to numerous health effects in wildlife and people.
- Mercury can pose a significant health threat when spilled in a small, poorly ventilated room.
- A study by the United States Center for Disease Control estimated that 1 in 10 women currently has mercury levels in their bodies high enough to cause neurological effects in their offspring.
- There is approximately 1 gram of mercury in a typical thermometer. This is enough mercury to contaminate a lake with a surface area of about 20 acres, to the degree that fish would be unsafe to eat.
- Elemental mercury is the physical, metallic liquid form of the metal. Inhalation may occur when mercury, such as the type in mercury thermometers, is spilled.

Price:

Part Number	Description	Price by Currency
600D-01-4950	Overtemp 1 zone	\$149 / €125 / £100
600D-02-4950	Overtemp 2 zone	\$274 / €225 / £175
600D-03-4950	Overtemp 3 zone	\$399 / €325 / £250
600D-04-4950	Overtemp 4 zone	\$524 / €425 / £325
600D-05-4950	Overtemp Classic Setter	\$274 / €225 / £175
600D-06-4950	Overtemp 6 zone	\$649 / €525 / £400

This system will not improve hatch rate or chick quality.

It is completely dependent upon: 1) the value of further reducing the likelihood of losing complete sets due to operator error in control usage; and/or 2) the need to eliminate mercury in your facility.

For more details please contact:

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