

Heat Mat Box

Model: HMB

Automatic control with a six-step growth curve

The Heat Mat Box is an automatic temperature-based control with one 20 amp variable stage for controlling heat mats.

Powerful, yet easy to use

The Heat Mat Box is loaded with powerful features, including a **six-step growth curve**. All control functions are never more than a few button presses away, making the Heat Mat Box one of the easiest controls to program.

Peace of mind

The Heat Mat Box displays temperature, mode, alarm, and status information. Monitoring the control regularly gives you a better idea of what is going on with your equipment and in your facility.



Features

- Automatic temperature-based control, programmable range: 70 to 125°F (21 to 51°C)
- Six-step growth curve, up to 365 days duration
- Manual override mode
- Variable heating stage for controlling heat mats
- Alarm relay for triggering external alarm system or siren
- Temperature probe input
- Minimum and maximum temperature logging
- Large 20-character, 4-line LCD display
- Alarm message display
- Power-failure settings protection
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- CSA approval
- 2-year limited warranty



Electrical ratings

- **Incoming power** 120/230 VAC, 50/60 Hz
- **Control fuse** 250 V, 1 A fast-acting glass
- **Variable stage** 20 A at 120/230 VAC, general-purpose (resistive)
2300 W at 120 VAC; 4600 W at 230 VAC
- **Alarm relay** 0.4 A at 125 VAC, 2.0 A at 30 VDC, resistive load
0.2 A at 125 VAC, 1.0 A at 30 VDC, inductive load



Accessories

Expansion Box

The Variable Load Expansion Box (**VLX-20**) is an affordable way to expand the capacity of the Heat Mat Box. The VLX-20 has a single 20 A variable AC stage and controls heat mats on the same phase as the Heat Mat Box.

Installation is simple and requires no additional configuration or programming; all Expansion Boxes follow the settings of the master control. The VLX-20 comes with a cable that connects to the **SLAVE 1** connection on the Heat Mat Box. You can connect three Expansion Boxes to the HMB.



HMB Saver

The HMB Saver stores a complete copy of a Heat Mat Box's configuration and settings. You can restore the configuration and settings any time, or even set up new controls in seconds!



HMB Updater

The HMB Updater allows you to update the firmware of Heat Mat Boxes as new versions become available. The HMB Updater takes seconds to use and can update all the Heat Mat Boxes at your site.



Additional information

For more information about the Heat Mat Box, or other Phason products, contact your dealer or visit www.phason.ca.