

# Heat Mat Controller (HMC)

## Automatic Control With a Six Step Growth Curve

The Heat Mat Controller (HMC) is an automatic temperature-based control with a 20A variable stage (HMC-2), or four 10 amp variable stages (HMC-4) for controlling heat mats.

## Powerful, Yet Easy to Use

The Heat Mat Controller (HMC) 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 Control one of the easiest controls to program.

## Peace of mind

The Heat Mat Control 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 5" touchscreen with easy to use interface
- Alarm message display
- Power-failure settings protection
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- CSA approval
- Limited warranty (2 Years)



## Electrical ratings

Incoming Power	120/230 VAC, 50/60 Hz
Control Fuse	250 V, 1 A fast-acting glass
Variable Stage	20A at 120/230 VAC, general-purpose (resistive) 2300W at 120 VAC; 4600W 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 Expansion Box is an affordable way to increase the load capacity of the Heat Mat Control. Expansion Boxes are easy to install and there is no additional configuration required; all slave units follow the settings of the master control.

The Expansion Box comes with a cable that connects to the SLAVE 1 connection on the Heat Mat Control. You can connect up to 3 Expansions to the HMC. Each Expansion increases the current capacity of the stage by 20 amps.



### HMC Saver

The HMC Saver is an innovative and easy-to-use product that stores a complete copy of a Heat Mat Control configuration and settings. You can restore the configuration and settings any time, or even set up new controls in seconds.

### HMC Updater

The optional HMC Updater is an innovative and easy-to-use product that updates the firmware of Heat Mat Control as new versions become available. The HMC Updater takes seconds to use and can update all the Heat Mat Control at your site.