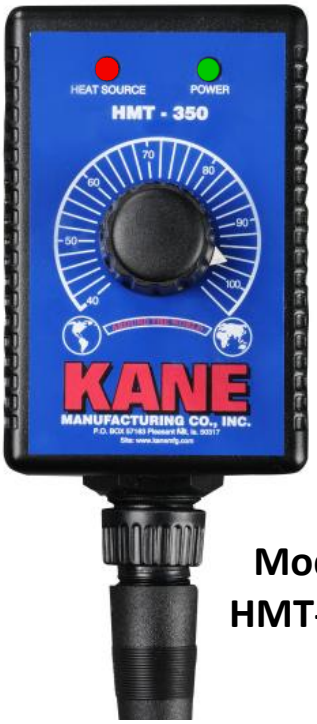
KANE Manufacturing Company, Inc.
AROUND THE WORLD

HMT-350 Electronic Thermostat Control

NEW

Red LED power to heat mat



Green LED power to thermostat

Model HMT-350

*State of the art controller preselected temperature. 40° F-105 ° F

*Potentiometer adjusts required set point.

*Output relay controls heat source safely.

*Controller has several unique self-activated safety mechanisms such as a high limit setting that is unique. Self-activates relative to set point of 105.

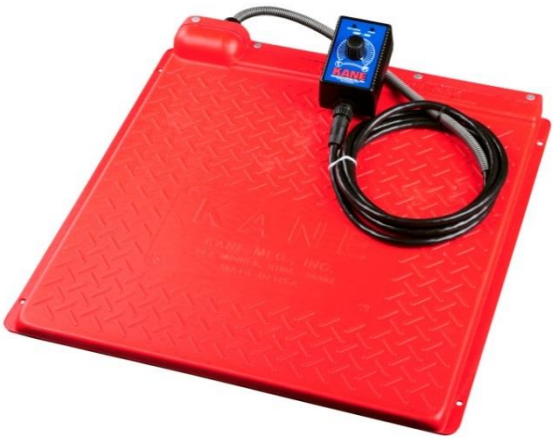
*Control allows operator to select and maintain ideal temperature for animals/pets.

Pet Heat Mats

Standard Sizes for Pet Heat Mats

PHM 18	18x18
PHM 28	18x28

*New control retro fits in all size mats- new or used



ADDITIONAL HEAT MAT SIZES AVAILABLE FOR SPECIAL REQUIREMENTS

PHMS 36	13½ x 36
PHMS 48	13½ x 48
PHMS 60	13½ x 60
PHMD 48	27 x 48
PHMD 60	27 x 60
PPHMS 45	18 x 45
PPHMD 36	27 x 36

Reptile Heat Mats

Kane HMT-350 control and heat mats designed for-

*Pet owners
*Breeders
*Kennels
*Whelping
*Veterinarians
*Vetinary Clinics
*Reptile Habitats
*Pampered pets

Made in the U.S.A.

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General Operation:

The HMT-350 is equipped with a potentiometer to adjust a required set point temperature from 40°F to 105°F and an output relay that controls the heat source.

- The **GREEN** LED indicates/reports two scenarios related to power and thermostat sensor status activity between the mat and the control.

  1. A SOLID green light indicates there is power to the thermostat.
  2. A FLASHING green light indicates an alarm situation.
     In the case of an Alarm condition, the controller switches off the power to the mat immediately.

  Alarm conditions are:

- Temperature sensor makes a short circuit or
- Temperature sensor has an "open" connection with the controller input.

- The **RED** LED indicates/reports when the heat source is turning off and on.

  1. A SOLID RED light indicates there is power allowed to the mat.
  2. When the RED light is NOT ON there is no power to the mat.

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- The switch differential is fixed at 2°F below the temperature set point.

  Example: Set point is 90°F.

  When the measured temperature reaches 90°F, the controller turns OFF the power to the mat. When the mat temperature drops below 88°F the controller turns ON the power to the mat raising the measured temperature to 90°F and repeats this cycle continually.

- A fuse (4 Amps) inside the controller protects the controller electronics and heat elements from overloads.

- **NOTE:** User should take into consideration that on a large mat, the surface temperatures, in areas where the sensor is not present, may not read the same as the surface where the sensor is placed due to standstill air gap between the element and the enclosure which has an influence on the thermal conductivity. It is not unreasonable to see 4°- 6° difference between various areas on a large mat compared to the spot the sensor is located.

Warnings:

There are dangerously high voltages inside the control unit.
The user should never open the apparatus!

The apparatus main supply is for 120Vac 60 Hz single phase only.