



## Wall Mounted Sensor Unit (MSU)

The Hog Hearth MSU (Master Sensor Unit) is designed to regulate the temperature of all Hog Hearth heat mats in a farrowing room. Embedding the temperature probe and isolating the MSU control mat from the animals provides an unaffected temperature signal to the master control. This system allows your Hog Hearth mats to operate efficiently, providing an even, consistent temperature and ensures all piglets are receiving the right amount of heat at the right time.

- MSU control mats are available in 120 / 208 & 240-volt configurations to match the Hog Hearth mats installed in each room / heated zone. (PN: HH-36-120S-MSU / HH-36-208S-MSU / HH-36-240S-MSU)
- MSU control mats can be mounted on an inside wall or vertically mounted 3" above the grated floor on the crate divider (Connections Up). Do not install the MSU mat above the heater servicing crates. Heat radiates up from the heat mats fastened to the floor will interfere with the sensor reading from the MSU to the master control.
- All Hog Hearth MSU mats come terminated with a 15' (4.5m) power lead and 20' (6.1m) sensor cable.
- The Hog Hearth MSU uses an internal 1K $\Omega$  thermo-sensor to relay temperature readings from the surface of the sensor mat to the HMC control. The sensor cable must run through its own conduit and be connected to the sensor input of the HMC controller to avoid interference from the power lead.
- If using a different controller brand, ensure the sensor parameter input is set to 1K. If the controller does not have a probe type parameter adjustment, the sensor mats can be custom ordered with compatible temperature probes installed. (HH sensor resistance – 1000  $\Omega$  @ 25°C)
- The MSU sensor wire length can be extended but, the connection points must be soldered and properly insulated from moisture.