

# Electric temperature switch

## Installation

The sensing element of the device is to be installed in the return piping on the inlet side of the steam trap. When steam surrounds the sensing element, the switch will “make” allowing the humidifier valve to open.

Provide a tee having 1/2" pipe thread (DN15) opening to receive the sensing element.

## Purpose

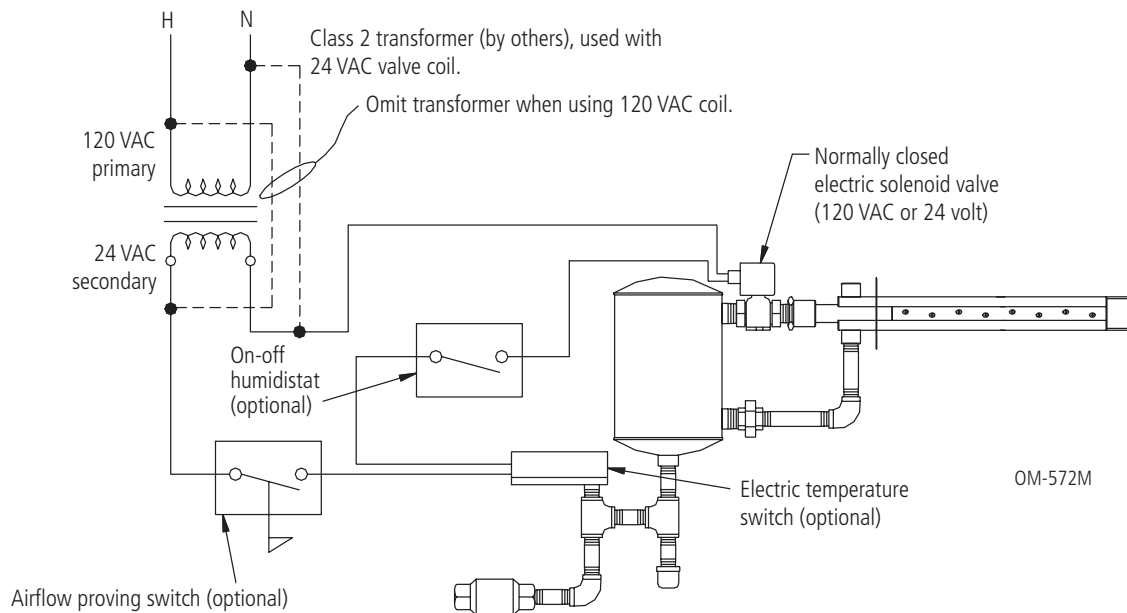
This device is a temperature actuated make-break switch. The temperature at which it switches is adjustable and should be set at 220 °F (104 °C). It is designed to be used with electric humidity control systems.

The purpose of this device is to prevent the humidifier valve from opening until the humidifier has heated up to operating temperature. It also will shut down the humidifier in the event of a flood of condensate caused by a system malfunction, such as a priming boiler, flooded return main, etc.

## Optional stainless steel components

Humidifiers may have optional stainless steel components, such as a stainless steel thermostatic trap (shown).

**Figure 1-1:**  
**Electric temperature switch, typical wiring diagram with electric solenoid valve and typical piping layout**



### Notes:

- All wiring per national and local electrical codes (size transformer VA to load VA).
- When temperature switch is used with electric modulating valve, a special wiring diagram is necessary (consult factory).