

# Digital Temperature Interlock

## **Automatic fan activation!**

The digital temperature interlock is designed to automatically start the kitchen hood exhaust fans and keep them running while heat is being generated from the cooking appliances. The interlock will override the switch and start the fans once heat is detected in the event an operator fails to turn on the fans manually—ensuring safety. The system is available as a stand-alone control or as an integrated option in our other pre-engineered controls.

Greenheck's Digital Temperature Interlock complies with International Mechanical Code (IMC) 2006 section 507.2.1.1, which requires interlock between exhaust fans and cooking equipment. This system will utilize a temperature sensor in the capture area of the hood to detect heat generated from cooking operations and automatically activate the exhaust fans and interlocked supply, if not already turned on.



## **Features & Benefits**

- **Automatic initiation of exhaust fans** when cooking equipment generates heat
- **Pre-installed or shipped ready for installation** by including proper temperature controller and sensor, stainless steel enclosure with controls, and a labeled terminal strip for simplified wiring
- **Prevents fan from cycling on and off** during variable cooking periods by use of temperature delay control, which keeps exhaust fans running until temperature drops below the delayed set point
- **Easily adjustable temperature set point** through an accessible digital display
- **Turns off exhaust fans automatically** once the temperature has dropped below the set point and safety delay time has expired

## **Product Application**

- Versatile use with both Type I and Type II hoods
- Maximize efficiency by using one temperature interlock package per hood system (each temperature interlock activates all fans linked to system simultaneously)
- System operated by a digital temperature controller and RTD type temperature sensor
- Not to be used in conjunction with exhaust fire dampers
- Not intended to replace manual switches