



Commercial Cooking



Machinery

FENWAL CONTROLS

Heat Detector

Fixed Temperature Heat Detector

Snap Action 08-84 Series

- UL521 Approved
- Tamper-Proof Preset Temperatures
- Shock and Vibration Resistant
- Economical Design

The 08-84 Series fixed temperature heat detector is designed to activate fire suppression systems using clean agents, carbon dioxide, inert gases, wet or dry chemical, or water. Switch design and construction provides high vibration and shock resistance. These detectors are hermetically sealed, available at several set temperatures, and 100% factory tested.

These probe-style detectors are available in a wide variety of activation temperatures. When the preset temperature is reached, a snap-acting bimetal disc mounted in the tip of the probe provides fast thermal response and rapid contact action. To ensure hermeticity, the probes feature welded, stainless steel construction with glass to metal seals.

These switches are manufactured for close on rise activation and include four 6" lead wires for termination into your fire suppression system.

Additional options include:

- Multiple temperature settings
- Hex or coupling head design
- Probe lengths from 9/16" to 3"
- Choice of mounting threads



08-84 Series Heat Detector Product Specifications:

Parameters	Specifications
Input Power and Current	120 VAC @ 3 Amps 30 VDC @ 3 Amps
Dielectric Strength	1500 VAC terminal to case
Temperatures Available	140, 160, 175, 190, 210, 225, 280, 325, 360, 450 and 500°F
Operation	SPST normally open (close on rise)
Mounting Head/Thread	Hex 1/2" - 14 PTF SAE Short Coupling 1/2" - 14 PTF SAE Short Hex 3/8" - 14 PTF SAE Short Coupling 3/8" - 14 PTF SAE Short
Probe Length	9/16, 1, 2, and 3"
Termination	6" PTFE lead wires, detectors set at 450°F and above use TGGT wires
Dimensions	1" x 1" x 5.25" maximum (with 3" probe)
Construction	
Body and Tube	300 Series stainless steel
Seal	Welded with glass to metal seals
Head Fill	Epoxy
Internal Contacts	Fine silver

Approvals and Listings:



S4968: UL 521, Edition 7, Heat Detectors for Fire Protective Signaling Systems

CAN/ULC-S530-M91-REV1, Standard for Heat Activated Fire Detectors for Fire Alarm Systems



RoHS Compliant

fenwalcontrols.com
508.881.2000

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400 Main St, Ashland, MA 01721
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