# TRI-MODE HEAT DETECTOR

# MIX-4030 / MIX-4030-ISO

MIX-4030 / MIX-4030-ISO

## Features

- Any combination of MIX-4000 series devices up to 240 can be connected on a single SLC.
- Different LED colors for Alarms and Troubles
- Three operational modes of heat detection.
- Compatible with the full series of MIX-4000 input and control modules.
- The device can be secured by a unique Anti- Tamper feature.
- The address is set with the hand-held device programmer (MIX-4090)
- MODEL OPTION - Built-in short-circuit isolator (MIX 4030-ISO)
- Operating Modes
  - Rate of rise heat detection (135ºF/57ºC)
  - Fixed heat detection (135ºF/57ºC)
  - Fixed heat detection (175ºF/79ºC)

## Description

The MIX-4030/MIX-4030-ISO detector is a hardwired sensor that continuously monitors the environmental temperature to report high heat conditions and communicates with the panel using a fully digital protocol.

An alarm will be reported when the sampled temperature exceeds 135ºF (57ºC) or 175ºF (79ºC) depending on the chosen mode of operation. Excessive temperature rises can also be reported if the detector is configured for rate-of-rise operation.

The MIX-4030/MIX-4030-ISO works with an MGC compatible control panel supporting high rates of information exchange with reliable and secure bi- directional communication.

The detector is addressed and programmed using the MIX-4090 hand-held device. Addresses can be selected from a range of 1 -240.

This detector ships with a dust cover to protect the device during installation and prior to commissioning.

Two tri-color LEDs on the device provide 360 degrees of status visibility.

A remote LED indicator can be wired directly to the sensor.

## Benefits

- Open style mounting bases offer easy wiring and low pressure locking
- 4" or 6" base options available
- Remote output can be controlled by the panel
- MIX-4030-ISO is equipped with a bi-directional short-circuit isolator to protect against wiring faults and loop failure.
- Low standby current.
- Base has detachable tab for labeling device address.
- Leverages interrupts to quickly report alarm conditions to fire alarm control panels.
- Magnet test option helps with commissioning and maintenance.



**CATALOG NUMBER**
**9503**

## Technical Specifications

| | |
|---|---|
| Normal Operating Voltage | 15 to 30VDC |
| Maximum Alarm Current | 3.2mA (LED on) |
| Standby Current | 160µA |
| UL/ULC Listed Temperature Range | 32ºF to 100ºF (0ºC to 37.8ºC) |
| Operating Temperature | 15ºF to 120ºF (-9ºC to 49ºC) |
| Humidity | 10% to 93% Non-condensing |
| Wiring range on terminals | 22 to 12 AWG |
| Diameter | 4.25" |
| Height | 1.75" |

| Detector LED colors | Description |
|---|---|
| RED (Steady on) | ALARM condition |
| GREEN (Flash) | NORMAL condition |
| AMBER (Steady on) | FAULT condition |
| **Heat Detection Settings** | |
| 135ºF (57ºC) | |
| 175ºF (79ºC) | |
| 135ºF (57ºC) rate of rise | |

## Ordering Information

| Model | Description |
|---|---|
| MIX-4010 | Photoelectric Smoke Detector (Non-Isolated) |
| MIX-4010-ISO | Photoelectric Smoke Detector (with short-circuit isolator) |
| MIX-4020 | Multi-Criteria/Multi-Sensor (Non-Isolated) |
| MIX-4020-ISO | Multi-Criteria/Multi-Sensor (with built-in short circuit isolator) |
| MIX-4030 | Heat Detector (Non-Isolated) |
| MIX-4030-ISO | Heat Detector (with built-in short circuit isolator) |
| MIX-4090 | MIX-4000 Addressable Device Programmer |
| MIX-4001 | 6" Detector Base |
| MIX-4002 | 4" Detector Base |

MGC™

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