Ei Electronics®
fire + gas detection

EiA630 series - Fixed and ROR Heat Alarm

Key Features

▾ UL539 / ULC 530 certified, UL 521 Ready
▾ Fixed high temperature and ROR fast response thermistor sensor
▾ Temperature reporting capability
▾ Trigger temperature 135°F ± 4°F
▾ Rate of Rise 15°F / Min > 104 °F
▾ Unique modular plug-in radio design
▾ Large EZ-Press™ Test button
▾ Automatic low battery indication
▾ Built-in sounder – 85dBA at 3 meters
▾ LED Alarm indication
▾ Easy to install twist-on base design
▾ Aesthetically pleasing, compact design
▾ 5 year warranty

Product Description

The EiA630 Fixed and ROR Heat Alarms use fast acting thermistor based temperature sensing technology which make it ideal for kitchen and garage installations where the use of optical or ionization Alarms could lead to unwanted nuisance alarms.

EiA630 alarms give an audible warning and can transmit a radio signal to a panel when the temperature at the unit reaches 135°F ± 4°F or rises more than 15°F/minute.

A unique external 8 pin header design enables simple, plug-in interface with a wide range (frequency and/or protocol) of custom OEM radio modules. No need to open the housing or to solder ribbon cables.

EiA630 devices are specifically designed for simple & intuitive, time-saving installation, commissioning and maintenance.
All necessary mounting hardware is included.

The large, ergonomic, easy to find, Test button enables full testing.

Operation

The temperature sensor will activate the built in sounder upon sensing a fixed high temperature or a ROR condition. It will automatically reset and silence the alarm when the temperature or ROR alarm condition have disappeared.

The Alarm is programmed to self-check every 40 seconds its sensor, electronics and battery. Any fault found will be indicated by a combination of yellow LED flashes and chirps.

A single replaceable CR123A Lithium battery powers the Alarm, an additional battery can be added to extend battery life or power an RF Module.

Pressing and holding the Test button will perform a complete test of the device as well as sound the alarm.

Technical Specification

Sensor Type: Fixed temperature thermistor. High temperature range 135°F ± 4°F
Rate of Rise: 15°F/min when >104°F
Radio Integration: Plug-in 8 Pin header
Integrated head removal tamper switch: When head is removed a signal can be sent to the panel/hub via the RF module
Sound Level: Minimum output 85dBA at 3m. The sounder contacts are soldered directly to the piezo disc for additional security
Button Test: Checks the thermistor, electronics, battery and horn
Supply Voltage: 1 x CR123A battery. Provision is made for a second optional CR123A battery.
LED Indicators: RED - Power up, button test, in alarm, memory, YELLOW - Power up, low battery, sensor fault, end of life
Operating Temperature Range: 40°F to 100°F [1]
Storage Temperature Range: 14°F to 104°F [1]
Humidity Range: 15 % to 95 % Relative Humidity (non-condensing)
Product dimensions: 4.53" x 2.17" or 115mm x 55mm
Weight: 7.05 ounces or 200g (Includes packaging)
Warranty: 5 year (limited) warranty
Approvals:

ETL LISTED C US
Intertek
4008981

SIGNALING
C UL® US
LISTED

Manufactured to ISO 9001 quality standards
Specifications are subject to change

[1] Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific Product Standards. However, extended exposure to conditions outside these ranges may affect product life. For advice on prolonged operation outside these ranges consult the manufacturer.

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SmartTemp+™

In addition to standard High-Temp (135 degrees F) and Rate-of-Rise heat alarm functions, Ei Electronics EiA660 Combination Photoelectric Smoke/Heat and EiA630 Fast Response Thermistor-based Heat Alarms are now available with powerful SmartTemp+® Customizable Temperature Reporting Capability. Access to real-time temperature data stored in EiA660 & EiA630 alarm heads allows OEM's to create and transmit a unique range of fully customizable temperature alerts utilizing their own Proprietary RF Wireless Communication Modules. The range of custom temperature based alerts that OEM's can create is virtually unlimited. For example; Custom "Freeze Warning" alerts can be generated to prevent pipes from freezing or to inform of potentially life threatening cold when a low temperature set-points (chosen by OEM) are reached. Custom "Rapidly Falling Temperature Warning" alerts can be generated to notify users in the event of rapid indoor temperature drops, indicative of a possible break-in, or a door or window inadvertently being left open. "Ambient Temperature" at each alarm head can also be reported out in real-time via each device's wireless communication module. The added capability built into every Ei Electronics SmartTemp+® device offers OEM's and their customer's advanced, value-added life and property protection features that leave the competition out in the cold.

Model variations

Product	Short Description		
EiA630W	Base model		
EiA630iW	Base model with AudioLINK		
EiA630RF	Base model with Ei Electronics RadioLINK⁺ module fitted		
EiA630iRF	Base model with Ei Electronics RadioLINK⁺ module fitted and AudioLINK		

AudioLINK®

Ei Electronics new AudioLINK feature is a means of extracting event data from the alarm to a specially design Smart Phone App. The phone application is specifically design to interpret the sound and convert it into meaningful event driven data.

RadioLINK⁺®

The EiA630RF Alarms communicate wirelessly with Ei Electronics Alarms and accessories via the preinstalled EiA600MRF module using our proprietary RadioLINK protocol .

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