



- ✓ UL217/ UL268 Ready
- ✓ Highly reliable Photoelectric technology
- ✓ Fixed high, temperature reporting and ROR utilizing fast-response thermistor sensor
- ✓ Unique plug-in Radio Module design
- ✓ Large EZ-Press™ Test/Hush button
- ✓ Automatic battery status indication
- ✓ Automatic smoke chamber status
- ✓ Built-in sounder – 85dBA at 3 meters
- ✓ LED Alarm indication
- ✓ Easy to install twist-on base design
- ✓ Micro-mesh insect screen
- ✓ 5 year Warranty

Product Description

The EiA660 range of Optical Smoke Alarms apply high-reliability photo-electric sensing technology and fast acting thermistor based temperature sensing technology, providing quick warning of all standard domestic fire types, including smoldering fires other devices might take longer to detect.

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 opening of the case required or need to solder potentially trouble-prone ribbon cables.

EiA660 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/Hush button enables full testing and the ability to temporarily silence false/nuisance alarms.

Patented, high-performance optical chamber with integral micro-mesh™ fixed insect screen further reduces the possibility of false alarms.

Operation

- The alarm will activate the built in sounder upon sensing smoke particles, fixed high temperature or a ROR condition. The alarm will automatically reset and silence once smoke particles are no longer present in the chamber.
- The alarm is programmed to preform a self-check every 40 seconds to ensure the sensor is working, the chamber is ok and the battery is not in a low battery condition.
- A single replaceable CR123A Lithium battery powers the Alarm, an additional battery can be added to extend battery life or power an RF Module.
- The built in sounder will provide a minimum sound output of 85dB at 3m when in alarm condition.
- Pressing and holding the Test/Hush button will perform a complete device test as well as sounding the horn.
- If an EiA660 device has been activated due to a false/nuisance alarm, pressing the Test/Hush button will silence the alarm for 10 minutes.

Technical Specification

Smoke Sensor:	Optical, uses light scatter from smoke particles
Temperature Sensor:	Thermistor sensor, high temperature range 135°F ± 4°F; ROR 15°F / Min > 104°F
Self Test:	Automatically checks device every 40 seconds and chirps if a fault is detected
Radio Intergration:	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
Button Test:	Simulates the effect of smoke in order to check chamber, electronics and horn.
Silence:	Silences nuisance alarm (Automatically resets after approximately 10 minutes)
Supply Voltage:	1x CR123A battery. Provision is made for a second Optional CR123A battery for extended Life.
LED indications:	Power-up, sensing fire, button test, low battery, sensor Fault
Low battery warning signal	Alarm chirps & LED flashes every 48 seconds for up to 30 days to indicate when replacement of the alarm is required
Audible indications:	Low battery & smoke chamber fault beeps
Alarm:	Bult-in Piezoelectric-horn; The sounder contacts are soldered directly to the piezo disc for additional security
Alarm Sound Output:	85dBA (minimum) at 3m
Temperature:	0 to 40°C / 32 to 104°F (Operating), 0 to 35°C / 32 to 95°F (Storage)
Humidity Range:	15% to 95% Relative Humidity – non condensing
Dimensions:	115mm / 4.53" (diameter) x 45mm / 1.77" (height)

*Specifications are subject to change

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.

Ordering information	Product	Short Description
	EiA660W-1XUS	Smoke Alarm , single plain box pack of 10
	EiA660W-0AUS	Smoke Alarm , Bulk pack of 20