

# Smoke & Heat Multi-Sensor Alarm

**EiA660iW**



- ✓ UL217/ UL268 Ready
- ✓ Highly reliable Photoelectric technology
- ✓ Fixed high & low temperature and ROR utilizing fast-response thermistor sensor
- ✓ AudioLink Diagnostics via Smartphone app
- ✓ 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 EiA660i 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

## Operation

- The alarm will activate the built in sounder upon sensing smoke particles, fixed high temperature or a ROR condition. On low temperature condition, the internal alarm will not sound, but a signal will be transmitted to the panel/hub. 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 EiA660i device has been activated due to a false/nuisance alarm, pressing the Test/Hush button will silence the alarm for 10 minutes.

reduces the possibility of false alarms.

### Technical Specification

<b>Smoke Sensor:</b>	Optical, uses light scatter from smoke particles
<b>Temperature Sensor:</b>	Thermistor sensor, high temperature range 135°F ± 4°F; ROR 15°F / Min > 104°F and low temperature < 40°F
<b>Self Test:</b>	Automatically checks device every 40 seconds and chirps if a fault is detected
<b>Radio Intergration:</b>	Plug-in; 8 Pin header
<b>Integrated head removal tamper switch:</b>	When head is removed a signal can be sent to the panel/hub via the RF module
<b>Button Test:</b>	Simulates the effect of smoke in order to check chamber, electronics and horn.
<b>Silence:</b>	Silences nuisance alarm (Automatically resets after approximately 10 minutes)
<b>Supply Voltage:</b>	1x CR123A battery, Provision is made for a second Optional CR123A battery for extended Life.
<b>LED indications:</b>	Power-up, sensing fire, button test, low battery, sensor Fault
<b>Low battery warning signal</b>	Alarm chirps & LED flashes every 48 seconds for up to 30 days to indicate when replacement of the alarm is required
<b>Audible indications:</b>	Low battery & smoke chamber fault beeps
<b>Alarm:</b>	Bult-in Piezoelectric-horn; The sounder contacts are soldered directly to the piezo disc for additional security
<b>Alarm Sound Output:</b>	85dBA (minimum) at 3m
<b>AudioLink Diagnostic Feature:</b>	Reports device age, alarm events, button tests and head removals, sensor status via a smartphone app
<b>Temperature:</b>	0 to 40°C / 32 to 104°F (Operating), 0 to 35°C / 32 to 95°F (Storage)
<b>Humidity Range:</b>	15% to 95% Relative Humidity – non condensing
<b>Dimensions:</b>	115mm / 4.53" (diameter) x 45mm / 1.77" (height)

\*Specifications are subject to change

Ordering information	Product	Short Description
	EiA660iW-1XUS	Smoke Alarm , single plain box pack of 10
	EiA660iW-0AUS	Smoke Alarm , Bulk pack of 20