



FXI Device

- UL Listed (pending)
- ISO 9001:2015 Certified

Overview

The Keltron FXI Device (FXI) is the central element of the Keltron Automated Inspection & Reporting system for fire extinguishers. When combined with a Keltron enabled pressure gauge, the wireless device allows a portable fire extinguisher to become a continuously inspected component of a configurable web-based accountability program.

Features & Benefits

- Inspects for:
 - Obstruction detection
 - Presence monitoring
 - Pressure monitoring
 - Battery & Communication status
- Powered by two 3V Lithium batteries
- Web-based reporting to designated computers, tablets & phones
- Wireless communications eliminates wire and power source installation
- Code recognized to eliminate 30-day physical inspections
- Used with all types, sizes and make of portable fire extinguishers
- Straight forward DIY installation / field configurable with the Keltron AIR™ mobile app
- UL Listing pending



Operation

The FXI provides autonomous fire extinguisher monitoring through detection that the extinguisher is in place, accessible, and that the pressure is optimal.

The installation of the FXI device consists of mounting the device below a fire extinguisher equipped with a Keltron enabled pressure gauge. The gauge has integral electronics that provide extinguisher removal and pressure status signals to the FXI via a proprietary tether. The tether has a quick-disconnect type connector at the gauge end that is designed to separate from the extinguisher once the extinguisher has been removed from its designated location.

Presence monitoring is performed in real-time. If removal or reattachment of the extinguisher is performed, the FXI will alert the cloud application immediately and a notification is then delivered to configured recipients. Obstruction, pressure, and battery monitoring are performed at an interval configured by the user.

The FXI is powered by two lithium 3-volt batteries and the configuration of the FXI is performed using the Keltron AIR™ app on a mobile device. It should be noted that certain configuration settings will impact battery life performance, and possibly the ability to meet monthly code inspection requirements.

Product Specifications

Obstruction Detection

Range	6" to 36"
Sensor	Class 1 laser
Sample Rate	23 hours (set) / configurable

Enabled Gauge Tether

48" in length

Input Type

Digital status and analog sensing

Communication

WiFi, 2.4GHz, 802.11 b/g/n or Sub GHz

Security

TLS 1.2

Battery

CR123A, 3V Lithium (2) (Use only UL Recognized batteries)

Environmental

Operating Temperature	0°C to 50°C
Operating Humidity	0% to 85% (non-condensing)
Storage Temperature	-20°C to 70°C
Storage Humidity	0% to 95% (non-condensing)

Mechanical Dimensions

4.50" X 2.75" X 1.60"

Approvals

Agencies	UL, FCC, RoHS
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Warranty

1 Year

Other

Each unit requires plastic single gang box

Ordering Information

Part Number

99-00001-00
99-00001-01

Description

FXI Wi-Fi Device Kit
FXI Sub GHz Device Kit

Keltron is a U.S.-based manufacturer of automated inspection and reporting solutions that eliminate mandatory monthly physical inspections for fire extinguishers and emergency lighting. This wireless system improves safety, streamlines operations, and aids with maintaining compliance. Keltron's solution meets the requirements of NFPA, IFC, and Joint Commission. Keltron also manufactures unified event management systems for fire and security alarms as well as electronic and pressure gauges. Keltron is proudly ISO 9001:2015 certified.



KELTRON

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Enabled Fire Extinguisher Pressure Gauge



- UL Listed
- ISO 9001:2015 Certified

Overview

The Keltron enabled pressure gauge is an electro-mechanical signaling low pressure gauge that communicates the pressure, location and positioning status of a fire extinguisher via a connected tether.

UL listed to the same stringent requirements as Keltron's standard gauges, the enabled gauge incorporates technology to relay crucial fire extinguisher operational data to external systems.

Features & Benefits

- Compatible with most types, sizes and makes of portable fire extinguishers
- Signals immediate pressure status change
- Signals immediate extinguisher removal
- UL Listed
- Proven, reliable and durable

Operation

The Keltron enabled pressure gauge has integral electronics providing extinguisher removal and pressure status signals to external systems via a proprietary tether. On the back of the gauge there is a quick-disconnect type connector where the tether attaches.

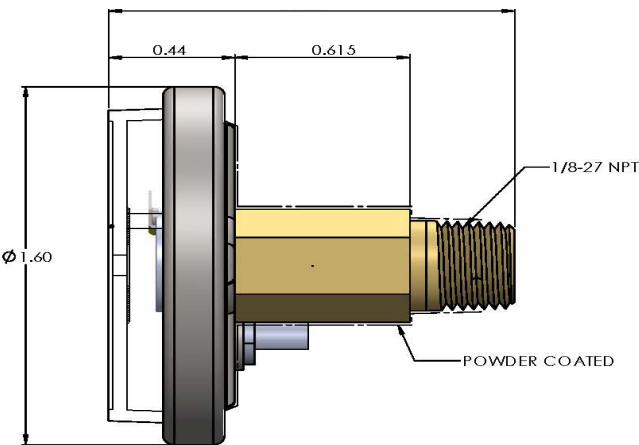
The secured tether connector is designed to break away from the pressure gauge once the extinguisher has been removed from its designated location, thus sending an immediate notification.

Keltron's enabled pressure gauges are based upon stainless steel Bourdon tubes and are compatible with the majority of commercial fire extinguishers. The pressure gauges accurately report tank pressures up to 400 PSI, ensuring a true full charge while reporting any abnormal pressure conditions.

The mechanical pressure measuring device and electronic pressure monitoring circuitry, internal to the gauge, are physically separated; meaning the gauge provides visible pressure information regardless of the state of the electronics.



Product Specifications



Mechanical Gauge Materials	Stainless Steel Bourdon Tube
Gauge Size (diameter)	1.6" (41 mm)
Pressure Ranges	Up to 400 PSI Other scales available upon request
Physical Features	Stainless steel case Center Back Mount Polycarbonate Lens
Standard Mechanical Connections	1/8" (3.175 mm) NPT (brass or stainless steel)
UL Listings	UL 8- Foam UL 299 - Dry Chemical UL 626 - Water UL 2127 - Inert Gas Clean Agent UL 2129 - Halocarbon Clean Agent
Warranty	One year

Ordering Information

Part Number	Description
1-03586	125 LB Halotron
1-03688	100 LS Halotron
1-04222	195 LB Dry Chemical
1-04288	100 LB Water
1-05438	100 LB K Class Wet Chemical
1-04274	75 LB FE-36 Clean Agent

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