KELTRON

FXI WiFi Network / Communication Requirements

The FXI Device provides critical data as to a fire extinguisher's readiness for use. The FXI Device communicates this information over the customer's WiFi network, 2.4 GHz (802.11 b/g/n). An FXI Device uses minimal bandwidth (approximately 350 bytes) due to the small telemetry size and communication rate of 23 hours, typical. Note the remaining time, the FXI is asleep, hence no WiFi connection.

Security/ Data Flow
- FXI Device initiates communication to Cloud application, and may receive response traffic
- All FXI data is secure and encrypted by TLS 1.2
- FXI pushes data to Cloud application per configuration, typically once every 23 hours
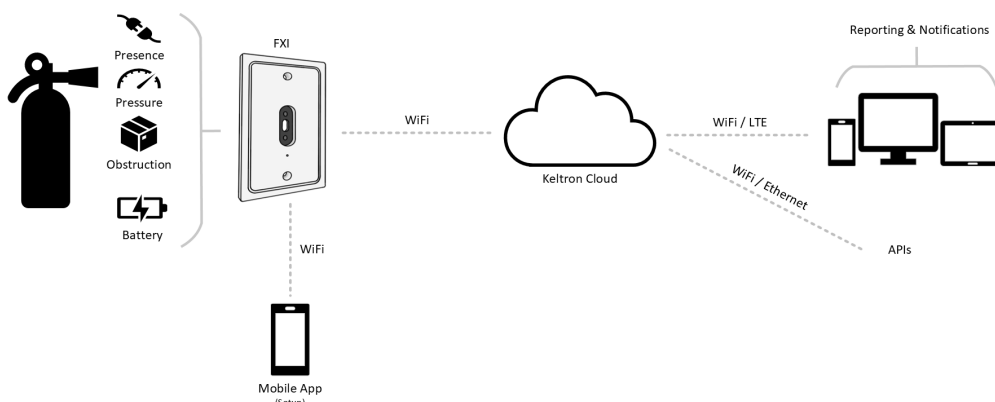
Network Requirements
- WiFi protocol – 2.4 GHz (802.11 b/g/n) compatible
- FXI Devices utilize WPA2
- FXI Devices are configured Network Name (SSID)/Password that is specified on the dedicated customer server
- FXI Devices are DHCP clients

Firewall Requirements
- Device uses outbound TCP ports 8883, 443
- iPhone/Android application (if connected to your WiFi) utilizes port 8000

Network Diagram

Communication Overview

Presence
Pressure
Obstruction
Battery

FXI

WiFi

Keltron Cloud

WiFi / LTE

WiFi / Ethernet

Reporting & Notifications

APIs

WiFi

Mobile App
(Setup)

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.

MADE IN USA

KELTRON

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