

Wireless Sensors

Rev. 07/14/10

Features & Options

- Validates RF operation with a simple site visit
- Identifies radio positions before installation
- Battery operated for easy survey mobility
- Loaner verifiers available
- Automatic battery power management
- LED and beeper indication of performance

The 418 MHz Field Verifier is designed to measure how far the BAPI Wireless Transmitter signal will go in a specific installation. The verifier is equipped with an LED bar graph indicating signal strength and sounder from a single BAPI 418MHz transmitter or from all the BAPI 418MHz transmitters on the job.

The 900 MHz Field Verifier is designed to verify how far the BAPI Repeater will go in a specific installation. Each verifier is equipped with an LED and sounder indicating packet reception from the other verifier. Units are used in pairs with one unit set-up as the transmitter and the other unit set-up as the receiver.



Ordering Information

BA/FV-KIT - Combined Field Verifier Kit (BA/FV418K & BA/FV900K)

BA/FV-KIT-LOAN - Loaner Combined Field Verifier Kit (BA/FV418K & BA/FV900K)*

BA/FV418K - Field Verifier Kit, 418 MHz, (1 transmitter & 1 verifier included)

BA/FV900K - Field Verifier Kit, 900 MHz, (2 transmitter/verifiers per kit)

BA/FV418 - Field Verifier 418 MHz, (1 verifier only)

BA/FV900 - Field Verifier 900 MHz, (1 verifier only)

See end of Section H for list pricing.

***Note:** You will receive 100% credit less shipping and handling charges if unit is returned in working order within 30 Days from product ship date

Specifications

Battery Power: BA/FV418, (2) 3.6 volt Lithium
BA/FV900, 9VDC

Auto Off: BA/FV418, 17 minutes
BA/FV900, 1 hour

Storage/Operating: 32° to 158°F (0 to 70°C)

Frequency/RF-Power/Transmission time

BA/FV418K: 418MHz/ 1mW / ~every 10S

BA/FV900K: 900MHz/100mW / ~ every 1S

Receiver Sensitivity: 418MHz - 112dBm
900MHz - 110dBm

Typical open air range: 418MHz - 100 feet
900MHz - 1,000 feet

Sound Indication: 50db@5ft beeper (Off selectable)

BA/FV418 Indication: 10 element LED, ~6db per element

BA/FV900 Indication: 2 LED's, 1-transmit and 1-recieve

Antenna: Detachable whip (must be installed to operate)

Weight: 0.5 lb (.23kg) per unit

Agency: 418 MHz, FCC ID #T4F060811TEMP
900 MHz, FCC ID #OUR9XSTREAM

Indoor Range Est. "Rules of Thumb"

Xmtr = Transmitter Rptr = Repeater

- Xmtr, 0-50ft
Will work in open office instances.
- Xmtr, 0-100ft
May work but verify.
- Xmtr, >100 ft
Needs a repeater.
- Rptr, 0-300ft
Will work in most instances.
- Rptr, 0-800ft
May work but verify.
- Rptr, >1,000ft
Needs another repeater.