



FIREFLY® Indoor Ballistic Sensor



Application

An **indoor** wireless gunshot sensor performing energy capture, waveform analysis and transmitting resultant data to the Emergency Automatic Gunshot Detection & Lockdown (EAGL) System, a Gunshot Detection System (GDS).

Description

Compact, wireless, self-contained, battery operated gunshot sensor executing threat versus non-threat validation analysis using energy level and waveform analysis algorithms.

Sensor is mounted to horizontal ceiling substrates providing a spherical detection coverage area of **~31,415 FT²**. Sensor can be attached to vertical columns presenting a decreased coverage area.

Threat validation data is wirelessly transmitted by sensor to the EAGL System Server via the EAGL Gateway. Data received by the EAGL System Server is processed further initiating the appropriate preprogrammed automatic and autonomous Adaptive Response feature and process.

Sensors also receive calibration data from the EAGL Server using similar communication process and methods. All transmitted data is encrypted.

Typical Characteristics

POWER: Internal - Direct Input, Inorganic Lithium Battery, 3.6VDC

BATTERY LIFE: ~5-6 YEARS

FUNCTION: On-board Firmware, Energy Level and Waveform Analysis

COMMUNICATION: Encrypted, Wireless RF, 1 of 10 Channels

DETECTION RANGE: Indoor, ~100 FT Radius
< ~31,415 FT² Spherical Area

DETECTION RESPONSE TIME: <4-8 Seconds

DIMENSIONS: 4"OD x 2.25"T
101.6 mm OD x 57.15 mm T

OPERATING TEMPERATURE: -40°F to 185°F

WEIGHT: 7.7 oz (0.481 lbs)
0.218 kg

MOUNTING: Horizontal and Vertical surfaces

Certifications, Compliance and Conformance

Device and/or components have the following credentials are listed or meet the following rules / regulations:

FCC: CFR 47, Part 15, Subpart B:2017, Class B;
ID: 2ALPH-E19

EMC: ICES-003, Issue 6:2016, Class B IT Equipment;
2014/30/EU

ROHS: Directives 2015/863/EU; 2011/65/EU

UL: UL Yellow Card²: E67171-248322;
BBCV2.MH12193 (Listing);
UL94-HB (Flammability Rating)

CAN/CSA-CISPR 22-10

CE: RED 2014/53/EU

UN / DOT 38.3

Certifications are current at the time of this publication but are subject to change. PCNs will list certifications relevant at time of publication.



EAGL
GUNSHOT DETECTION & LOCKDOWN SYSTEM



Dimensions

(Numbers) = Millimeters, all else are SAE

● Device Through-Hole Locations and Dimension = 0.1875" D (4.7625)

Device Thickness = 2.25" (57.15)

