EAGL Vape Detector

Application

A detector for monitoring indoor air quality and capable of sensing Volatile Organic Compounds (VOCs), equivalent carbon dioxide (eCO_2), and suspended particulate matter (PM10).

Description

The EAGL Vape Detector continuously routes area air samples over internal components comprised of multiple metal-oxide (MOX) sensor elements. Another internal component uses light scattering and measurement techniques to detect and measure particulates associated with conventional tobacco use and vaping products.

Detector components have these indoor air sampling sensor ranges: eCO_2 - 400 to 60,000 ppm, PM10 - 0 to 60,000 ppb.

Each detection event becomes reportable to initiate mitigative response. Event reportability is performed via direct network connection to the EAGL server via Power-over-ethernet (POE) CAT 5 - 6e cabling or IoT configuration.

Typical Characteristics

Power: External, POE, Single Phase Input (RJ-45)

Communication: POE to / from EAGL Server

Cloud Communication: IoT, secure internet connection and data exchange (Quectel BG95 M1)

Dimensions: 7.87”L x 4.72”W x 3.05”T
200.00 mm x 120.00 mm x 86.00 mm

Weight: 1lb, 4.2oz
0.572kg

Operating Environment: Indoor Environment

Antenna: Internal

Certifications, Compliance and Conformance

Device and/or components have the following credentials are listed or meet the following certifications, compliances, conformities, declarations, ratings, regulations, rules, specifications, standards or tests:

FCC: CFR 47, Part 15, Subpart B:2018, Class B Digital Device

EMC (Art. 3(1)(b)): EN 55032:2015; EN55024:2010 A1:2015; ICES-003, Issue 6:2016, Class B IT Equipment; 2014/53/EU

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

EN: 62368-1:2014, 62311:2008:2011, 60529, 62262

UL: 508A , EN62208, UL746C (Flammability Rating)
UL File no.: E189312

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

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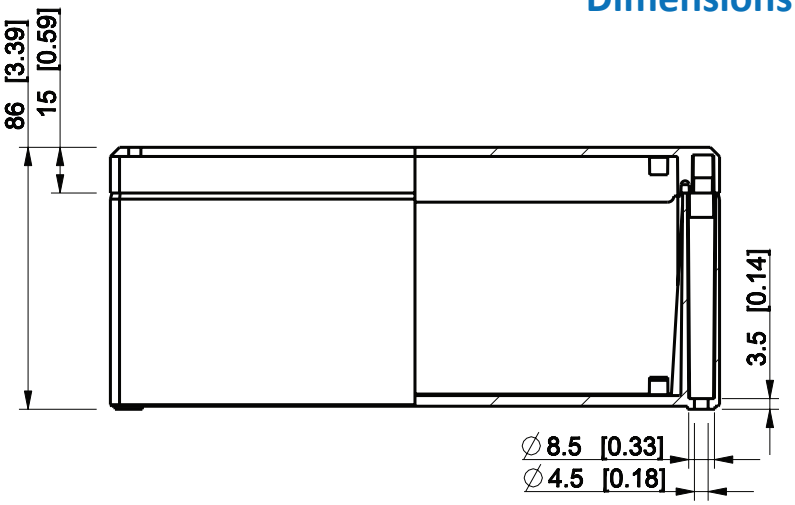
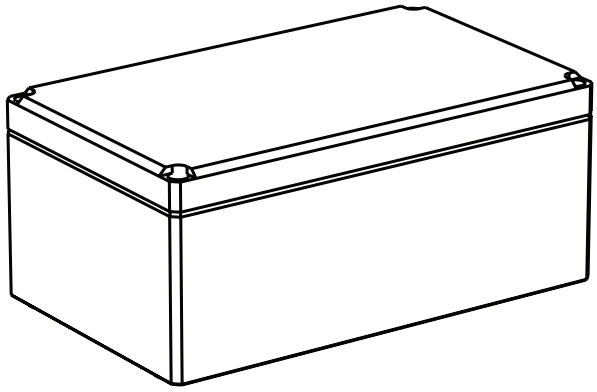
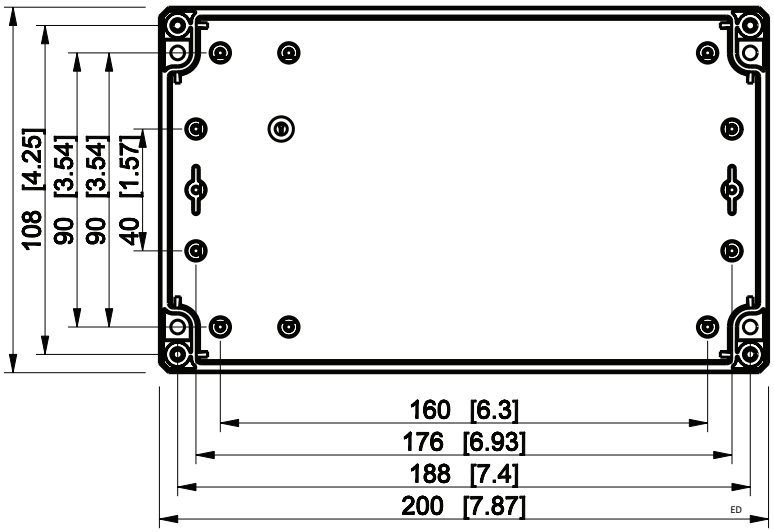
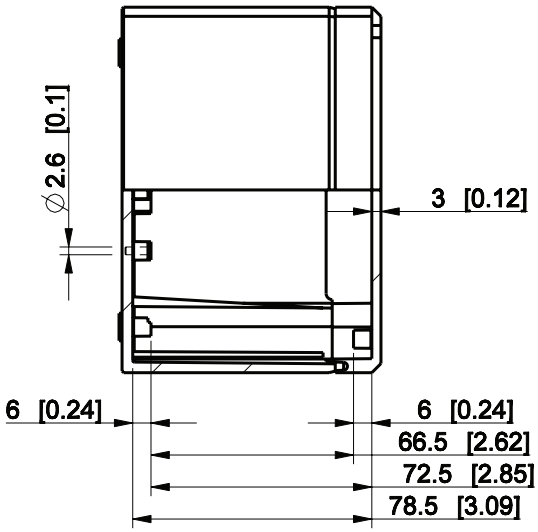
SAFETY ACT
ASTORS 2021 PLATINUM AWARD WINNER
ASTORS 2020 PLATINUM AWARD WINNER
ASTORS 2019 PLATINUM AWARD WINNER
ASTORS 2018 PLATINUM AWARD WINNER
ASTORS 2017 PLATINUM AWARD WINNER
ED

Dimensions









Dimensions in mm [inches]

V2.1

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