



## Vaping & Smoke Detector (RA02G)

Innovative solutions for the health of the building and its occupants

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### Solution

The RA02G is a state-of-the-art turnkey solution for detecting **vaping**, **smoke**, and **noise anomalies**. Immediate, location-specific notification is sent to designated managers upon a detection. Data is transmitted in real time using the long-range LoRaWAN communication protocol.

### LoRaWAN

The LoRaWAN wireless communication protocol can operate over very long distances, even through the massive structures of institutional or industrial establishments.

### Benefits

Provides efficient, accurate, non-intrusive detection of potentially dangerous or harmful situations. Can trigger customized real-time alerts or video captures from surveillance systems.

### Features

- Detection of vaping, smoke, noise anomalies and vandalism.
- 24/7 real-time monitoring.
- Easy installation and configuration.
- PoE powered or power supply.
- Can be concealed behind a vent.
- Audible alarm capability.
- LoRaWAN Wireless Connection.
- Dimension: Ø106 × 40.6 mm.



# Data sheet

## RA02G

<b>Wireless Transmission</b>	
Technology	LoRaWAN
Scope	Up to 16 km in rural areas Up to 5 km in urban areas
<b>Measurements</b>	
Vaping or smoke detection. Adjustable sensitivity up to 4 levels.	
Sound anomaly detection. Adjustable sensitivity in intensity and duration.	
Vandalism (vibration) detection. Sensitivity adjustable up to 20 levels.	
Detection Range	15' x 15' x 8'
<b>Physical Characteristics</b>	
Dimensions	Ø106 × 40.6 mm (Ø4.17 × 1.60 po)
Colour	White
Installation	On flat surfaces with 2 screws and mounting module. Camouflage behind a vent.
Button	2 × Function Button
Indicator light	1 × LED Status/Alarm Indicator
Audible alarm	Variable duration buzzer (optional)
<b>Environment</b>	
Operating Temperature	-20°C to +55°C
Operating Relative Humidity	< 90% (non-condensing)
Ingress Protection	N/A
<b>Power</b>	
Power supply	External power supply 12VDC/1A
Poe	Compatible with 802.3af PoE splitter with 12V/2A output (optional)
<b>Compliance</b>	
IC, FCC	