Smart Sensor Detection by HALO

Detect vape, smoke, and **THC for smart, discreet security.**

The power behind **your mission**

Johnson Controls

Detect | Protect | Respond

Smart Sensor detection is a multi-sensor that detects vape, smoke, THC, and sound abnormalities.

Additional sensors monitor air quality, temperature, humidity, and chemical levels as well providing other detection functions.

HALO detects environmental changes that occur in privacy concern areas and sends alerts to security personnel over the connected network.

HALO can detect vape and vape with THC, notifying designated personnel when substances are detected. It includes a built-in tamper detection feature that emits a sound alarm or silently alerts security personnel. These detectors can also measure your Air Quality Index (AQI).

Security can now monitor a range of areas they previously could not cover. Staff can receive alerts through the web or traditional alarm, access control or building management tools.

Patent # 10,970,985

Air quality
- Particulates
- VOC's
- CO
- NO

Alerting
- Email or SMS text alerts
- Alerts to video management and access

Control
- Third-party emergency applications
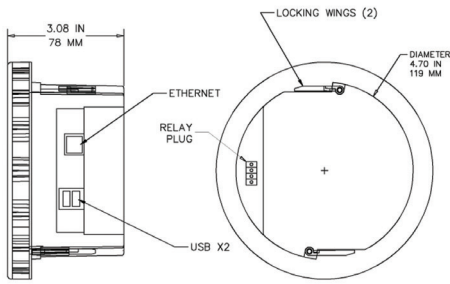- Low-voltage relay outputs
- Cloud mapping alerts

Chemical
- Ammonia
- Carbon Oxides
- Carbon Dioxide
- Nitrogen

Environmental
- Temperature
- Humidity
- Pressure
- Occupancy light sensitivity

Multiple sensors
12 unique detection sensors that work in conjunction to detect a multitude of substances with unlimited customization. It is the only vape detector that picks up THC oil.

Designed for airflow
Built with airflow in mind. The unit's design allows the sensors to pick up harmful chemicals faster.

Fewer false alarms
With multiple sensors and advanced analytics, settings are adjusted and maximized for the room environment, drastically reducing false alarms that singular sensors can trigger from body and disinfectant sprays.

No cloud fees
HALO is a security product, not a web app, so there are no annual fees.

Integrated device
Connects directly to your security monitor and video management system – no need for separate applications.

General Specifications *Image display of sensor readings only.*

Operating Temperature	32°F - 122°F (0°C- 50°C)
Operating Humidity	0 to 90% Relative Humidity (non-condensing)
Power Supply	PoE (IEEE 802.3af Class 3 Compliance) 9W
Dimensions	5.75" x 3.08" (146mm x78mm)
Weight	0.8 lbs (0.365 kgs)
Mounting Options	Ceiling Flush Mount, Surface Mount (optional)
Vandal	IK10 rated, vandal-proof housing with tamper alert
Certifications	UL, CUL, CE, RoHS, FCC, WEEE California IoT Security 1798.91.04

Interface Specifications

Live Display Resolution*	1024 x 768
Frame Rate*	1 FPS
Video Compression*	MJPEG
Audio	MEMS Microphones (2) (Audio Analysis Only) No Recording of Live Stream
Relays Outputs	2, Normally Open or Closed, 48VDC at 1 amp
VMS Integrations	Milestone, Genetec, Avigilon, Exacqvision, Vivotek, Pelco, Ganz Cortrol, Nx Witness, Qognify, DW Spectrum IPVMS, Mirasys, VideoInsight, EoCortex, Wisenet Wave VMS, Axxonsoft, Digifort
Other Third-Party Integrations	Rhombus Systems, Arcules, The Boring Lab, Presence Management, IDentifyED, Vigilance Software, Punch Alert, DIR-S, Extreme Network Defender, Aruba HPE, Connect One, Audio Enhancement, AMT, Gallagher, NuLEDs, C2P
Status Light	Alarm Condition, Multi-Color, Programmable
Speaker	Alarm Condition, Pre-Recorded Files, Programmable

Network Specifications

Ethernet	RJ-45 (10/100 Base-T)
Alarm Triggers	Vape, vape THC, aggression, Air Quality Index (AQI), spoken keyword, tamper, particulates, carbon dioxide equivalents, volatile organic compounds, carbon monoxide, ammonia, temperature/humidity, light level, sound levels
Protocols	BACnet, RTSP, TCP/IP, UDP, IPV4/V6, HTTP, HTTPS, DHCP, ARP, Bonjour, Wireless Connectivity
Maximum User Connections	Live MJPEG Stream, 8 Users

About Johnson Controls

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