



HALO Smart Sensor

Smoke Detection, Health & Safety Monitoring for Public Housing

One of the most significant recent developments in public housing has been the implementation of HUD's Smoke-Free Legislation to improve resident health, mitigate fire risk and reduce the costs of renovation and insurance. The **HALO Smart Sensor** and **HALO Cloud** interface help building managers manage non-compliance and reap the associated benefits, by detecting smoking and vaping as soon as they occur. It also contributes to residents' quality of life by alerting managers to a wide range of other environmental pollutants and risk factors.



HALO Smart Sensor is Multi-Patented and Design is Trademarked



SMOKING AND VAPING

Smoking is prohibited in all public housing at a federal level. Vaping is also banned in many municipalities and properties. HALO can alert property owners and managers when these are detected.



TEMPERATURE

HALO monitors room temperature to ensure it is within regulatory limits and can be programmed to send an alert when units or common areas are too warm or cold.



LIGHT LEVELS

HALO can be configured to trigger an alert when lights are turned on at night in spaces that are meant to be unoccupied.



NOISE DISTURBANCES

HALO's audio algorithms can be programmed to alert property managers to excessive music, large gatherings, fights, vandalism and calls for help.



VANDALISM & TRESPASSING ALERTS

HALO can be configured to send notifications when lights or noise is detected in unauthorized areas and after hours.



AIR QUALITY INDEX (PARTICULATES & CONTAMINANTS)

According to the EPA, Air Quality can have a significant impact on heart and lung health, particularly in the elderly. HALO enables staff and residents to monitor Air Quality at a unit level.



HUMIDITY

HALO can alert property managers when relative humidity is below 40% or above 60%. This improves resident health by preventing allergies from mold and mildew and minimizing the risk of disease transmission.



SOUND

HALO can be configured to trigger alerts when indoor sound levels exceed HUD's recommend limit of 45dB.



PANIC BUTTON SUPPORT¹

HALO's panic button integration alerts management and security staff to incidents via the HALO Cloud dashboard, mobile app and email.



MANAGE HVAC ENERGY COSTS

HALO can help property managers minimize HVAC system use when units are unoccupied.



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Key Features

1. Add-on option only available to HALO Cloud customers 2. Available in the HALO 3C-PC model only

HEALTH



Health Index



Air Quality Index



Carbon Monoxide



Carbon Dioxide



Nitrogen Dioxide



Relative Humidity



Temperature



TVOC



Particulates



Chemicals

SAFETY



Help
(Spoken Keyword)



Emergency Alert
Lighting



Panic Button¹



Occupancy
(People Counter)²



Gunshot



Aggression



Motion



Tamper

VAPE



THC



Vape



Vape Masking



Smoking



HALO Cloud enables staff to respond rapidly to vaping, environmental and safety events via real-time site-specific notifications. Allocate resources effectively with a range of analytics and reporting capabilities, aggregate data, and manage multiple devices across multiple sites.

REAL-TIME NOTIFICATIONS

HALO Cloud enables administrators to set up customized alerts via email and mobile app push notifications. Configuration options include event type(s), device list, recipient list and day-time notification windows.

SITE-SPECIFIC ACCESS

HALO Cloud enables administrators and site managers to configure user access to HALO Cloud and the HALO App (including notifications) at a site (i.e. location) level.

LIVE VIEW MAP

Enables users to view events detected by HALO devices on easy-to-use interactive maps providing faster resource allocation and response times.

ANALYTICS

HALO Cloud Analytics enables users to define custom Event Heat Maps, Event Trend Graphs and Sensor/ Event Data Graphs offering insight into safety and air quality/ indoor environmental trends.

DASHBOARD

The HALO Cloud Dashboard provides an at-a-glance view of the most recent events, current sensor levels, event hot spots, air quality levels, and system health status as well as two analytics tools: Heat Maps and Event Trend Graphs.

LOGGING AND REPORTS

Download up to 3 months sensor and event data to satisfy reporting requirements to the board of education, local health department, OSHA or any requesting authority.

MAINTENANCE AND SUPPORT

HALO Cloud provides the HALO Cloud Support Team with visibility into device status and the ability to remotely update device configuration and firmware version.

SECURE

Utilization of AWS Certified and accredited computing environments and applications. Third-party penetration tests performed annually.

SYSTEM HEALTH STATUS

Provides system administrators with a snapshot of device connection status minimizing downtime & lowering risk.



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