X-Detect Environmental Duct Mount

Breathe Easy: Ensuring Safe Air Quality

X-Detect Environmental Duct Mount

Crucial for enhancing air quality and safety across various environments. The X-Detect Environmental Duct Mount seamlessly integrates with the XSponse X-Guardian platform enabling advanced monitoring of air quality, providing immediate alerts when it detects harmful particles such as vapor from electronic cigarettes. This solution is vital in combating the vaping epidemic in public areas, allowing organizations to proactively manage air quality concerns and ensure a safe and healthy environment.



How X-Detect Environmental Duct Mount Works

Built to easily be added to an existing HVAC air duct, the X-Detect environmental duct mount features a sampling tube that continuously monitors air quality in real time, effectively detecting contaminants in the air. The X-Detect quickly detects harmful airborne contaminants, instantly triggering alerts within the X-Guardian ecosystem to notify designated personnel for fast response and intervention. By delivering real-time data the X-Detect Environmental Duct Mount supports compliance with health standards and maintains a healthy indoor atmosphere. No need to log into multiple devices—once connected to the X-Guardian service, devices automatically deploy in real-time, cutting down installation time. All devices come pre-configured for immediate use upon delivery.

Key Features:

- Environmental Particle Detection: Monitors a broad spectrum of particles, including those linked to vaping and various air quality contaminants.
- Efficient Ventilation Integration: Designed specifically for installation in HVAC duct systems, ensuring accurate environmental monitoring.
- PoE: Power over Ethernet (PoE): Simplifies installation by allowing power and connectivity to be delivered through a single Ethernet cable.
- Real-Time Alerts and Data Reporting: Provides immediate notifications to the X-Guardian platform, enabling timely responses to air quality concerns.
- Can be installed at any height: No restrictions.

Contact Us to Learn More!

800-366-5320 | marketing@eccoinc.com

X-Detect Environmental Duct Mount







Technical Specifications

X-Detect Environmental Duct Mount	
Product Number	0819-0002
Dimensions (L X W X D)	6 X 3.5 X 2.1 (inches)
Power Source	PoE
Processor	ESP32
Max Power	12.9W
Configuration	Automatic self deployment via X-Guardian platform
Wire Type	Cat5e or greater
Network Interface	Ethernet
Network Protocols	DHCP, HTTP, HTTPS, TCP/IP, ARP, Bonjour, MQTT (Port 8883), UDP, IPv4 / IPv6, mDNS
Mounting	HVAC duct mounting
Input	1 Digital input
Output	1 Form C relay
Warranty	3 Years

Detection Attributes	
Temperature Detection	-40 -185°F / -40 - 85°C
Pressure Detection	Barometric pressure changes
Environmental Particle Detection	Temperature Humidity Air Pressure Health Index Air Quality Index Relative Humidity Volatile Organic Compounds (VOC) Carbon Dioxide (CO2) Air Particle Concentrations Carbon Monoxide (CO) Nitrogen Dioxide (NO2) Ethanol (C2H5OH) Hydrogen (H2) Ammonia (NH3) Methane (CH4) Propane (C3H8) Iso-butane (C4H10) TVOC Gas Particulates Chemicals THC Vape Vape Masking Smoking

All XSponse products utilize an X-Guardian software license connected to an X-Guardian Controller.



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