MiSOLUTIONS GROUP

MISENSE SMART SENSOR RF AND IP MODELS

by MiSolutions Group

AT A GLANCE

RF Features:
- 12VDC power supply, supporting up to 10 devices within a 25m range.
- Secure Visiplex radio frequency for primary alerts (Vape, Tamper, Offline, Online).
- Offline alerts remain active post power loss to the main device up to 8hrs (note RF **)
- No network connection needed; fully standalone with ethernet, Wi-Fi, and AP mode capabilities.
- Visiplex RF Integration: Compatible with Visiplex RF systems for mass notifications or as a standalone unit, compliant with DET standards

IP Features:
- Each device powered by a single 54v POE Ethernet cable.
- Includes Webhooks, TCP/IP, APIs, Hard Relay connection options

Common Features:
- Accurate Detection: Recognizes vaping, smoking, and masking agents.
- Tamper & Offline Alerts: Immediate notifications for device tampering and loss of connectivity. (note RF **)
- Customizable Audio & Buzzer Alerts: Variety of audio and buzzer signals for tamper detection.
- Integration Ready: Supports MiSolutions MACCA/Visiplex, Activepieces, and TOA IP Audio systems.
- Connectivity Options: Includes Webhooks, TCP/IP, APIs, Radio Frequency, and Hard Relays. - Model dependent
- Power Supply & Setup: 12VDC operation, capable of supplying power to 10 devices simultaneously with MiSolutions support.
- User Interface: Easy-to-use GUI accessible on both PC and mobile devices.
- Secure Wireless AP: Secure AP mode for local configuration via GUI.
- Network Compatibility: Functions on both DHCP and Static Networks.
- Hardwired Relays: Accommodates up to four relay modules for additional strobes and sirens (sold separately).
- Event Logging: Internal logging of events for 30 days, reviewable via terminal.
- Protective Cages: Optional sleek-design cages for added protection.

Enhancing Safety in Education

Introducing the MiSense Smart Sensor**, a state-of-the-art vape and smoking detector designed specifically for educational institutions. Our sensor utilises advanced technology to effectively monitor and prevent vaping and smoking activities, while also providing tamper alerts for additional security.

Why Choose MiSense Smart Sensor?

At MiSolutions Group, we have invested in developing solutions to integrate other brand vape detection devices into our off-network RF system. However, we aimed higher and developed our own smart sensor to meet specific criteria:

1. Budget-Friendly: Designed to meet the financial expectations of our clients.
- Flexible Integration: Operates in various scenarios:
- Direct integration into Visiplex RF
- Off-Internet (Sub Network)
- On-Internet (When specified)
- Standalone (No Network)
2. Security: No hardware or software for security breaches (no microphone, API credentials encrypted

Technical Specifications

1. Detection Capabilities:
   - PM1.0, PM2.5, PM4.0, PM10.0 Particulate Matter
   - Volatile Organic Compounds (VOC)
   - Temperature and Humidity Monitoring - (Can be configured on request)
2. Alert System: Integrated buzzer for tamper alerts
3. Connectivity: Supports RF notification, webhook and server notifications for remote alerts.
4. Power Supply: 12vdc for Visiplex RF Model, POE for IP model
5. Inbuilt Speaker: For Vaping / Smoking Alert sound options (Custom sound design on request)

Commitment to Excellence

At MiSolutions Group, we are dedicated to providing innovative solutions that enhance safety and wellbeing in educational institutions. The MiSense Smart Sensor is a testament to our commitment to excellence, offering reliable, high-performance detection and alert systems to keep students safe.

For more information or to schedule a demonstration, contact us at info@misol.com.au.

www.misol.com.au

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WWW.MISOL.COM.AU

MISENSE SMART SENSOR RF AND IP MODELS

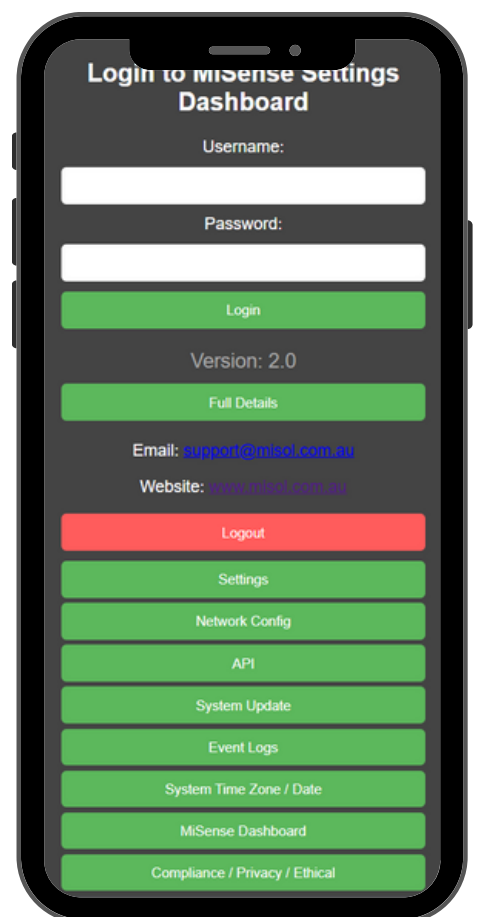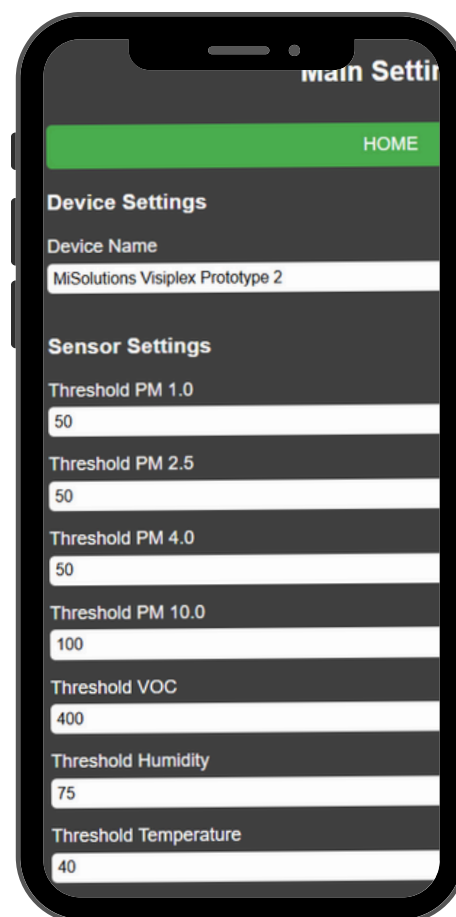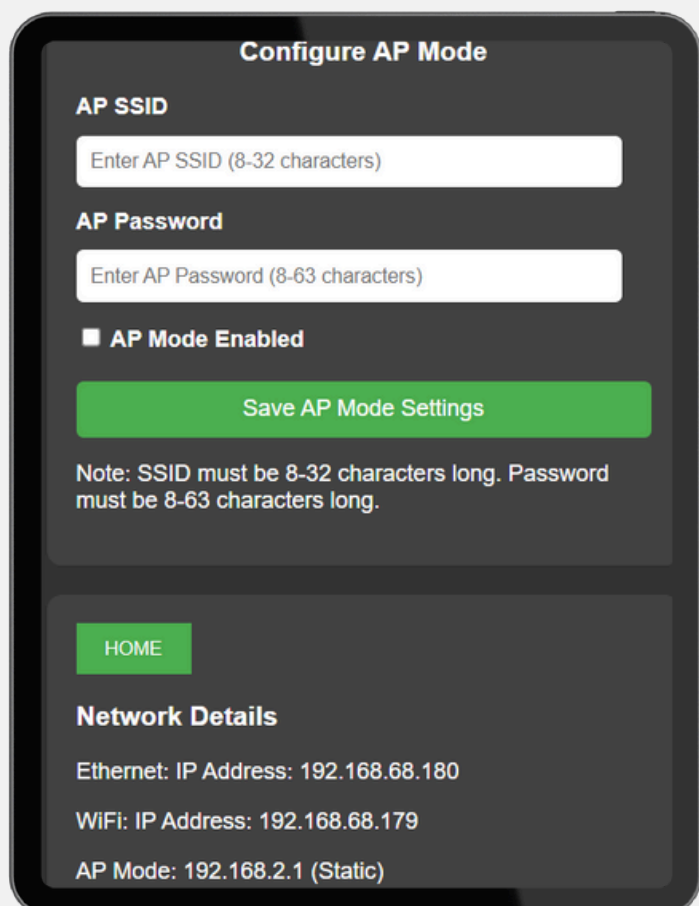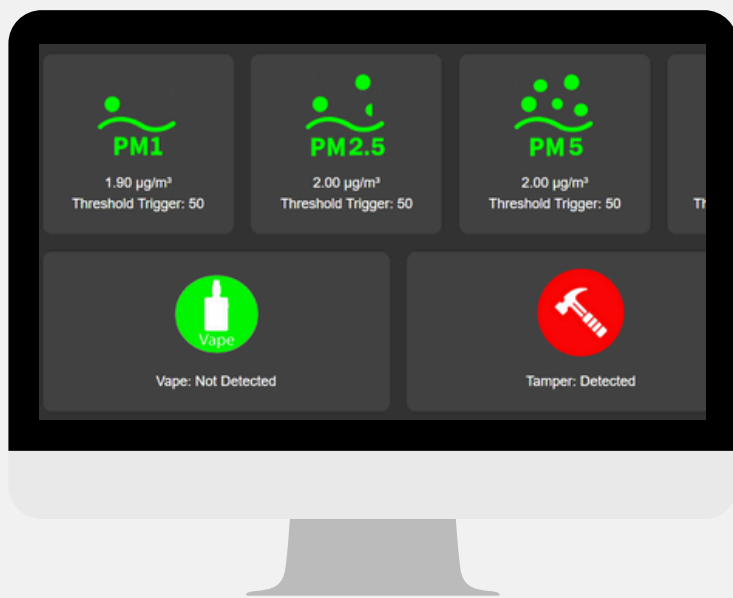by MiSolutions Group

WORKS ON ANY DEVICE

EXAMPLES OF SETTINGS DASHBOARD

PM1
1.90 µg/m³
Threshold Trigger: 50

PM2.5
2.00 µg/m³
Threshold Trigger: 50

PM5
2.00 µg/m³
Threshold Trigger: 50

Vape
Vape: Not Detected

Tamper: Detected

Configure AP Mode

AP SSID
Enter AP SSID (8-32 characters)

AP Password
Enter AP Password (8-63 characters)

☐ AP Mode Enabled

Save AP Mode Settings

Note: SSID must be 8-32 characters long. Password must be 8-63 characters long.

HOME

Network Details

Ethernet: IP Address: 192.168.68.180

WiFi: IP Address: 192.168.68.179

AP Mode: 192.168.2.1 (Static)

Main Settin

HOME

Device Settings

Device Name
MiSolutions Visiplex Prototype 2

Sensor Settings

Threshold PM 1.0
50

Threshold PM 2.5
50

Threshold PM 4.0
50

Threshold PM 10.0
100

Threshold VOC
400

Threshold Humidity
75

Threshold Temperature
40

Login to MiSense Settings Dashboard

Username:

Password:

Login

Version: 2.0

Full Details

Email: support@misol.com.au
Website: www.misol.com.au

Logout

Settings

Network Config

API

System Update

Event Logs

System Time Zone / Date

MiSense Dashboard

Compliance / Privacy / Ethical

Device Name
MiSolutions Visiplex Prototype 2

Sensor Settings

Threshold PM 1.0
50

Threshold PM 2.5
50

Threshold PM 4.0
50

Threshold PM 10.0
100

Threshold VOC

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