SEC FSG1H MG4I

IOT Fog Generator with 28000 ft^3 fogging capacity

Key Features

- Coverage Capacity: Can cover up to 28000 ft^3 volume with less than 1 meter visibility with dense fog.
- Effective Crime Prevention: Fog Generator emits high density fog, significantly limiting visibility to under 1 meter to deter the intruders and prevent crime.
- Advanced Fogging Technology: Fogging Technology by UR FOG, a global fogging systems technology leader.
- Food Grade Fogging Fluid: Food grade, non-toxic fogging fluid from UR FOG.
- Instant & Automatic Activation: Activates instantly upon trigger or intrusion detection for immediate protection.
- Almost Zero Visibility Fog: Produces dense, food grade, non-toxic fog that obscures intruders vision, with very high effectiveness in crime deterrence.
- Wide Single-Shot Coverage: Can Covers up to 28000 ft^3 area per shot.
- Replaceable Fluid Bag: Food Grade 1000ml fluid bag. Can be replaced when exhausted.
- Programmable Shooting Time: Shooting / emission time programmable from 1 to 64 seconds.
- Low Power Consumption: Designed for efficient, long-duration operation with minimal power use.
- Thermal Insulation: Thermally insulated heater allows operation for 1 hour without mains power.
- Integrated Multi Communication: Inbuilt GSM (SMS and voice call) 4G and IP communication channels for secure system control, status monitoring and alarm reporting.

- Redundant Connectivity with Automatic Failover: Maintains uninterrupted communication by intelligently switching to an alternate channel when the primary path is unavailable.
- Supports flexible redundancy and failover combinations including: IP + 4G, 4G + GSM, IP + GSM.
- Mobile App: Android and iOS Mobile apps to control system and receive alerts.
- Multiple Status and Alarm Notifications: Real-time status and alarm notifications sent to mobile apps and compatible central monitoring station software.
- Windows Software: Windows software to control and configure system.
- Inbuilt Alarm Input: Can connect an alarm sensor or wired / wireless panic switch to activate fog generator.
- Exhaust Fan Integration: Can remotely control exhaust fan or HVAC to evacuate fog after fog generator activation.
- Sounder Integration: Can connect a sounder for on-site alarm during activation.
- Seamless Integration with Securico Panels: Seamless integration with Securico GX4816 Series and Securico Neuron control panels for integrated fogging and intruder alarm system.
- Third Party Alarm Integration: Fogging can be triggered using third party alarm systems, automation panels, and other third party devices.
- Ease of Installation: Compact design, quick and easy installation. Can be wall, ceiling or table mounted.

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Communication & Alerts

- Inbuilt GSM (SMS & Call) 4G and IP Communicator: Ensures reliable communication for system control, status reporting, and alarm notifications.
- Multi-Mode Communication: Supports IP, 4G, SMS and voice call alerts for immediate and uninterrupted event reporting.
- Redundancy and Failover: System can be programmed to use multiple communication modes in redundant and failover setting.
- Ethernet Connectivity: Built-in 10/100 Mbps Ethernet port for fast IP communication.
- SIA DC09 Protocol Compatibility: Supports TCP/IP and 4G PUSH with the SIA DC09 protocol. Enables integration with Securico iMONITOR India and other central monitoring platforms.

- Real-Time Alerts: System sends following status and alarm alerts - arm / disarm status, low fluid level, system fault, mains AC power status, communicator health.
- Up to 10 Programmable Telephone Numbers: Supports multiple contacts for SMS and call alerts.
- Flexible Call and SMS Options: Can Configure as Call & SMS, Call only, SMS only, or disable both.
- Phone based Voice Recording: Inbuilt IVR system for recording and managing voice alerts.
- Multiple Voice Alerts: Can record different voice alerts for fogging activation, arm / disarm status, low fluid level, system fault, mains AC power status.

Control & Configuration

- Mobile App & PC Software: System control and programming via mobile app or Windows software.

- Control and Configuration Functions: Arm / disarm, activate fogging, active / silence alarm sounder, start / stop exhaust, stop SMS / call alerts, edit phone numbers and other system settings.

Power & Construction

- Operating Voltage: 230V AC / 12V DC
- Battery Backup: Provision for one 12V 2.2AH battery for one hour operation in case of power failure.

- Inbuilt Battery Charger: Automatically charges installed battery.
- Durable Metal Cabinet: Strong, aesthetic sheet metal enclosure for rugged and sturdy performance.

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Technical Specifications

Electrical and Power Supply

Mains input voltage	:	150V – 260V AC 50Hz
Average power consumption	:	60W
Max power consumption (during heating)	:	350W
SMPS output voltage	:	13.75V DC, 5A
System operating Voltage	:	13.75V DC
Sounder Operating Voltage	:	12V DC
Maximum Sounder Output	:	100mA
Auxiliary Fuse	:	1 Amp Resettable.
Battery Voltage	:	12V DC
Battery Type	:	12V 2.2AH SMF
Battery Recharge Voltage	:	13.75+/- 0.2V DC
Heating Time	:	2 hours

Physical

Battery Dimensions	:	175mm X 70mm X 35mm (Typical)
Fog Generator Dimensions	:	305mm X 140mm X 395mm

Compatible Fluid and Accessories

Fogging Fluid	:	Model SEC FSL1 100FG
Wall Mount	:	Model SEC FSA G1WM1
Ceiling Mount	:	Model SEC FSA G1CM1
Table Stand	:	Model SEC FSA G1TS1
Battery	:	SEC FSA BAT1

Note:

Use of 1KVA pure sine wave UPS system for mains AC input to fogging generator is mandatory to ensure suitable input power supply voltage and provide battery backup for operation without mains power beyond one hour.

FogGen   FogGen Winconnect

Android   IOS   Windows

IOT FOGGING SYSTEMS

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