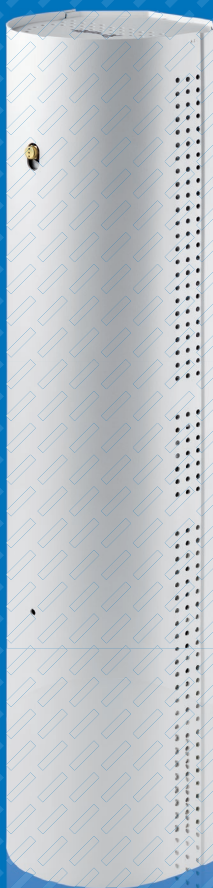


# REQUIREMENTS SPECIFICATION



**Xtratus**



SECURED IN SECONDS

# Fog Cannons - General Information

## 1. Device requirement:

- The device in question is a fog cannon that must fill a \_\_\_\_\_ m<sup>3</sup> room with fog in less than one minute.

## 2. Function:

- Fog output in 1 minute \_\_\_\_\_ m<sup>3</sup> with the option of a pulse function to guarantee longer coverage of the primary area
- The fog cannon must be able to emit several times (> 3)
- No fan (noise pollution)

## 3. Mechanics:

- Length = \_\_\_\_\_ width = \_\_\_\_\_ height = \_\_\_\_\_ mm
- Operational weight: \_\_\_\_\_ kg
- The housing/cabinet must be made of steel
- It must be possible to install it at a height, in any position (protection pls. ad: apart from upside down against vandalism)
- A suitable tool must be provided when installed overhead on the ceiling, (accident prevention regulations risk area 1)
- It must be possible to install several different nozzles with varying output directions

## 4. Options for mechanical system:

- A nozzle extension is required to enable fog to be emitted through a wall
- Protection against vandalizing the nozzle is required

## 5. Electronics:

- The inputs and outputs must be galvanically isolated (min. 600V) (fire hazard)
- A power supply of at least 9V for consumers (short-circuit proof) for at least 100mA (for remote detectors) must be available
- A battery monitor is required (test every 24h) and in the event of a fault it must also be transmitted to an output (relay or transistor output)
- It must be possible to update the firmware without changing the chip
- A status display must be visible on the circuit board. Any fault is specifically described on the display or different LEDs
- The device must have a CE marking
- It must be possible to replace the entire electronics without dismantling the device on site (potential follow-up costs in operation)
- It must be possible to pass on any activation to the fire alarm system
- There must be mechanical protection against overheating that cannot reset itself (fire hazard)
- The electronics must be upgradable (to protect future investments)

## 6. Electronics options:

- There must be an optional separate overflow input
- It must be possible to display several fault-specific outputs

## 7. Connectivity options

- The unit must have galvanically isolated inputs
- The outputs must also be galvanically isolated
- It must be possible to transmit an acoustic alarm (beeper)

