

SmartView 2 System Specifications



Part 1 - General

1.0 Summary

- 1.1 A RATH Elevator Unit (P/N: 7200 or 7200M), remotely viewable Camera, and dedicated Yes / No buttons are to be installed in each elevator with a corresponding Machine Room Unit (P/N: 7100) installed in the machine room. The built-in display is to be mounted on the same COP as the emergency phone call button along with the Yes / No buttons. The camera may be built in to the 7200, externally mounted in the COP, or externally corner mounted.
- 1.2 The Yes / No buttons will be interfaced with the Elevator panel. The Elevator unit will also act as the Elevator Emergency Phone for off-site calling capabilities and verbal communication between monitoring and an elevator passenger if an external phone is not being utilized in the elevator.
- 1.3 Each elevator unit must have a unique SmartView ID to allow for secure access by authorized personnel and location identification. This ID is to be recorded into the location message of the built-in or external emergency phone located in the elevator or noted in the account by the "monitoring" company.
- 1.4 When the elevator phone is activated the operator must be able to view the camera in the car to verify if it is occupied and be able to send a message to the display if the occupant is deaf, has difficulties hearing, or is experiencing an event causing them to not be able to respond verbally. The occupant can respond Yes or No using the dedicated buttons.
- 1.5 For buildings 60' and over a central control point must be installed within the building that allows for both verbal and visual communication back to the car.
- 1.6 The SmartView 2 System must be plugged into a backed up 120v power source or the RATH RP7700104S.

2.0 Definitions

- 2.1 RATH SmartView 2 System: A two-way elevator communication system providing an improved method for communicating with rescue services.
- 2.2 RATH Machine Room Unit: A device installed in the machine room. Acts as the power and network interface module for the SmartView 2 system.
- 2.3 RATH SmartView Elevator Unit: A device installed in the elevator car. Contains built-in display and integrated or external camera. Shows text-based emergency messages to occupants in the elevator and provides emergency personnel live video of the inside of the elevator car. The Elevator unit will also act as the Elevator Emergency Phone an external phone is not being utilized in the elevator as described in section 1.2.
- 2.4 Built-in or External Camera: A device located in the elevator that provides emergency personnel live video of the inside of an elevator car.
- 2.5 RATH SmartView ID: Unique numeric or alpha-numeric identifier to allow secure access on the SmartView viewing website (<https://www.smartviewhub.com>) to authorized personnel only.
- 2.6 Integrated or External Elevator Emergency Phone: A device located in the elevator for contacting emergency response personnel.

3.0 Submittals

- 1.1 Submit product data sheets. Include operation manuals and network security information.
- 1.2 Wiring or shop diagrams detailing wiring schematics, cabling.

4.0 Construction

- 4.1 The Elevator unit with integrated display shall have input connections for a Camera, Yes / No buttons and the Machine Room unit. The Machine Room unit shall have input connections for power, Internet, telephone line, and Elevator unit.
 - 4.1.1 The SmartView 2 system and buttons shall operate in a minimum temperature range of 32°F to 122°F (0°C to 50°C).
- 4.2 The display shall have black text on a white background.
 - 4.2.1 The display shall have a minimum text height of 4.8mm.
- 4.3 The Yes and No buttons shall require no more than 5 lbs of force to activate.

5.0 Mounting

- 5.1 The Elevator unit with integrated display is to be mounted in the COP.

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- 5.2 If using an external camera, it is to be mounted in the COP or corner mounted.
 - 5.2.1 When mounted in the COP the camera shall be located between 55" and 60" with a bracket allowing for up to 30 degrees of downward viewing.
- 5.3 The Machine Room unit shall be mounted in an area with restricted access. It should not be mounted more than 6'56" off of the ground.

6.0 Electrical

- 6.1 The Machine Room unit must have a primary and a backup power source.
- 6.2 The Elevator unit shall be powered by the Machine Room unit.
- 6.3 The external Camera (if used) shall be powered by the Elevator unit.

7.0 Communications

- 7.1 The built-in or external elevator emergency phone shall be activated when the emergency phone push button is pressed on the elevator panel.
- 7.2 The elevator emergency phone shall include the unique SmartView ID in its prerecorded message. The message should play when the operator answers the call.
- 7.3 Once the SmartView ID for the applicable elevator is accessed by authorized personnel; the Camera and integrated Display will be activated and begin to transmit data.
 - 7.3.1 An open message input field shall be available to the call center personnel to allow for adaptive messaging.
 - 7.3.2 In the same view port the camera shall be viewable to allow for messages and camera viewing to be done simultaneously.
- 7.4 Occupant responses shall be displayed to authorized personnel and the occupant.
- 7.5 If the authorized personnel dispatches assistance, a message shall be sent stating, "Help is on the way" to notify the occupant in the elevator.
- 7.6 Messages sent by authorized personnel must be in a simple format where a Yes or No response can be given by the occupant.
- 7.7 Once the call has been made (button pushed). The call, camera stream, and display stream can only be terminated by the called party.
- 7.8 The RATH SmartView 2 system must be capable of being activated on-site and remotely. Activating the system will enable the camera and display as described in section 1.4.
- 7.9 Communication must also be available through a central control point when required due to building having over 60; of use as mentioned in section 1.5.
- 7.10 A network connection with unrestricted access to the Internet must be provided (Unrestricted access can come from the RATH Cellular Gateway) for communication to the monitoring of the system.

8.0 Graphics

- 8.1 Yes and No response buttons shall be properly identified in the COP panel.
- 8.2 The RATH display shall remain off or show a black screen in an idle state when not being used for emergency communication.

9.0 Product Substitutions

- 9.1 No substitutions.

10.0 Warranty

- 10.1 The two-way visual communication systems shall be warranted for a period of two years.

11.0 Manufacturer

The manufacturer shall be:
RATH by Avire
N56 W24720 North Corporate Circle
Sussex, WI 53089
www.avire-global.com/en-us/

