

Product Requirement:

SmartView2 Elevator Visual Communication System ASME A17.1 Section 2.27.1

Part 1 - General

1.0 Summary

- 1.1 A Rath Janus SmartView 2 elevator unit with a dedicated Yes / No buttons are to be installed in each elevator. The unit will be an integrated display, camera and emergency phone mounted on the same COP as the dedicated Yes / No buttons. If the camera cannot see the entirety of the elevator phone, a compatible ceiling mount camera is permissible.
- 1.2 The Rath Janus Elevator unit shall be paired with a SmartView 2 Machine room unit to allow connection to a LAN network and phone line (cellular, VOIP converter or POTS). Each SmartView 2 Elevator unit must have a unique ID to allow for secure access by authorized personnel and location identification. This ID is to be recorded into the location message or noted in the account by the "monitoring" company.
- 1.3 When the SmartView 2 elevator phone is activated and no response is heard by the operator, the operator must be able to view the camera feed inside the car to verify if it is occupied and be able to send a message to the display if the occupant is deaf or has difficulties hearing. The occupant can respond Yes or No using the dedicated buttons.
- 1.4 For buildings 60' and over a central control point must be installed that allows for both verbal and visual communication back to the car.
- 1.5 The SmartView 2 System must have battery backup to enable a 4-hour talk time. This can be provided through the building backup system or the RATH® RP7700104S.

2.0 Definitions

- 2.1 Rath Janus SmartView 2 Elevator unit: An internet and phone line device that interfaces with the built-in microphone, speaker, display, camera and external Yes / No buttons within the elevator car allowing for remote access by authorized personnel.
- 2.2 Rath Janus SmartView 2 ID: Unique numeric or alpha-numeric identifier to allow secure access to authorized personnel only.

3.0 Submittals

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

4.0 Construction

- 4.1 The SmartView 2 Elevator unit will require a twisted shielded pair through the elevator shaft. This wiring provides data, audio and power to the unit
- 4.2 The display shall have black text on a white background.
 - 4.2.1 The display shall have a minimum text height of 0.1875 in.
- 4.3 The Yes and No buttons shall require no more than 5lbs of force to activate.
- 4.4 The SmartView 2 Machine room unit shall be mounted in a location that enables connection via LAN and Phone line.

5.0 Mounting

- 5.1 SmartView 2 Elevator unit is to be mounted in the COP.
 - 5.1.1 The built-in camera shall be located between 55" and 60" with a bracket allowing for up to 30 degrees of downward viewing.
- 5.2 Cameras are to be mounted in the COP or ceiling mounted.

6.0 Electrical

- 6.1 The SmartView 2 system must be powered from a backed-up power source through the connection to the SmartView 2 Machine room unit.
- 6.2 The SmartView 2 Machine room unit shall be provided 24vdc from transformer connected to the unit. The SmartView 2 elevator unit will receive 24vdc from the machine room unit.

7.0 Communications

- 7.1 The Rath Janus SmartView 2 shall be activated when the emergency phone push button is pressed.
- 7.2 The system will initiate a phone call to the desired monitoring location.
- 7.3 A prerecorded message shall play stating the location of the elevator and the SmartView 2 unique SmartView ID.
- 7.4 Once the ID is accessed by authorized personnel; the SmartView 2 will be activated and begin to transmit data.
 - 7.4.1 An open message input field shall be available to the call center personnel to allow for adaptive messaging.
 - 7.4.2 In the same viewport the camera shall be viewable to allow for messages and camera viewing to be done simultaneously.
- 7.5 Occupant responses shall be displayed to authorized personnel and the occupant.
- 7.6 If the authorized personnel dispatches assistance, a message shall be sent stating, "Help is on the way" to notify the occupant in the elevator.

- 7.7 Messages sent by authorized personnel must be in a simple format where a Yes or No response can be given by the occupant.
- 7.8 Once the call has been made (button pushed). The call, camera stream, and display stream can only be terminated by the called party.
- 7.9 The Rath Janus SmartView 2 must be capable of being activated on-site and remotely.
- 7.10 Communication must also be available through a central control point when required.
- 7.11 A network connection with unrestricted access to the internet must be provided (or the Rath Janus 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 If the SmartView 2 display is not being used for any other function it shall remain off or show a black screen in an idle state.

9.0 Product Substitutions

- 9.1 No substitutions.

10.0 Warranty

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

11.0 The manufacturer shall be:

Rath Janus
N56 W24720 North Corporate Circle Sussex, WI 53089