Johnson Controls

Detect[360] Emergency Communications System

Remote Call Station
TCOM-CS2100A

Standard Features

- Audible and visual status indicators
- Two-way voice communication
- Talk and listen confirmation tones
- Omnidirectional microphone
- Durable 16-gauge steel construction
- Powder coat finish
- Large red call button
- Automatic supervision at command panel
- Supervision test key

Description

The Detect[360] Emergency Communications System Remote Call Station provides both audible and visual indications to the caller. After the call button is activated, the yellow "message sent" LED on the station illuminates and an audible confirmation tone is issued every few seconds until the call has been answered at the command panel. After the call is acknowledged, the LED indicator switches off, the confirmation toning ends, and full two-way communication is established.

The ECS Remote Call Station features a green network connectivity LED that blinks every minute for visual assurance of network connectivity. The call station is supervised by the TCOM-CP2000 Emergency Communications System Command Panel. Additionally, the supervision for each station may be manually tested using the "verify test" key switch on the face of the unit. When the key switch is activated, the associated button icon for the station is illuminated on the command panel display.

The ECS Remote Call Station housing is made of durable, vandal-resistant 16-gauge steel. The hinged cover plate is secured with tamper-proof screws.

The ECS Remote Call Station can be surface or flush-mounted. It features an integral back box for surface mount installation. An optional TCOM-CS2101 Remote Call Station Flange is available for flush-mount installation

For installation guidance, please refer to 579-1260 *Detect[360] ECS Remote Call Station Installation Instructions.*

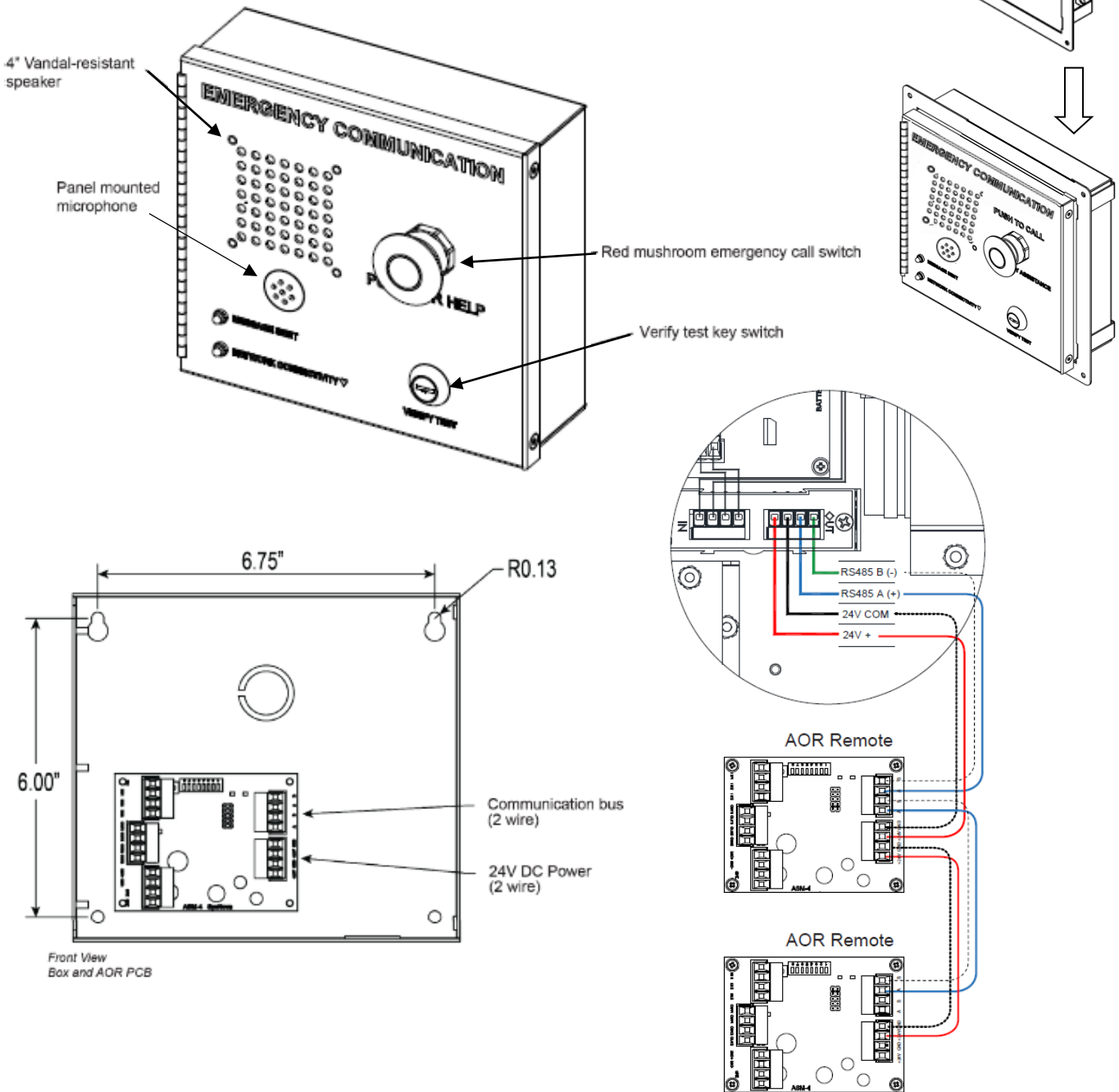**TCOM-CS2100A**

Product Selection

Model	Description
TCOM-CS2100A	Remote Call Station, textured powder coat finish, includes: surface-mount box, wiring connectors, 2 tamper-proof cover screws, and tamper-proof driver bit.
TCOM-CS2101	Flange (only) for surface mount installation of Emergency Communications System Call Station.

Specifications

Input Current	Startup: 39 mA, Standby: 15 mA, Alarm: 74 mA
Dimensions	Integral Box: 8.0" W x 6.5" H x 3.0" D (203 mm x 165 mm x 76 mm) Opt. Flange Trim: 9.25" W x 8.5" H (235 mm x 216 mm)
Weight	3.25 lbs. (1.5 kg)
Operating Temp	32° F to 120° F (0° C to 49° C)
Humidity	Max 93% rel humidity at 90° F (32° C)
Mounting	Mount using appropriate #10 fasteners.
Mounting Height	Locate no higher than 48" (1.2 m) above the finished flor for a forward reach and 54" (1.27 m) for a side reach. Refer to the *Americans with Disabilities Act Accessibility Guidelines* for more information
Wiring Distance	A maximum of 31 remote call stations can be "daisy-chained" per command panel. Please refer to the ECS Configurator for stations / distance power limit calculations.
Wiring	Two twisted pair (FPLP), solid or stranded, unshielded. One twisted pair 14 AWG for 24v power; and one twisted pair 18 AWG for communication. Wiring must be installed in accordance with NFPA 72 two-hour fire-rated wiring survivability requirements. Contact field sales engineering for guidance.

TCOM-2101 Remote Call Station

Semi-Flush Flange

4" Vandal-resistant speaker

Panel mounted microphone

EMERGENCY COMMUNICATION

Red mushroom emergency call switch

Verify test key switch

6.75"

R0.13

6.00"

Communication bus (2 wire)

24V DC Power (2 wire)

Front View
Box and AOR PCB

RS485 B (-)
RS485 A (+)
24V COM
24V +

AOR Remote

AOR Remote

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