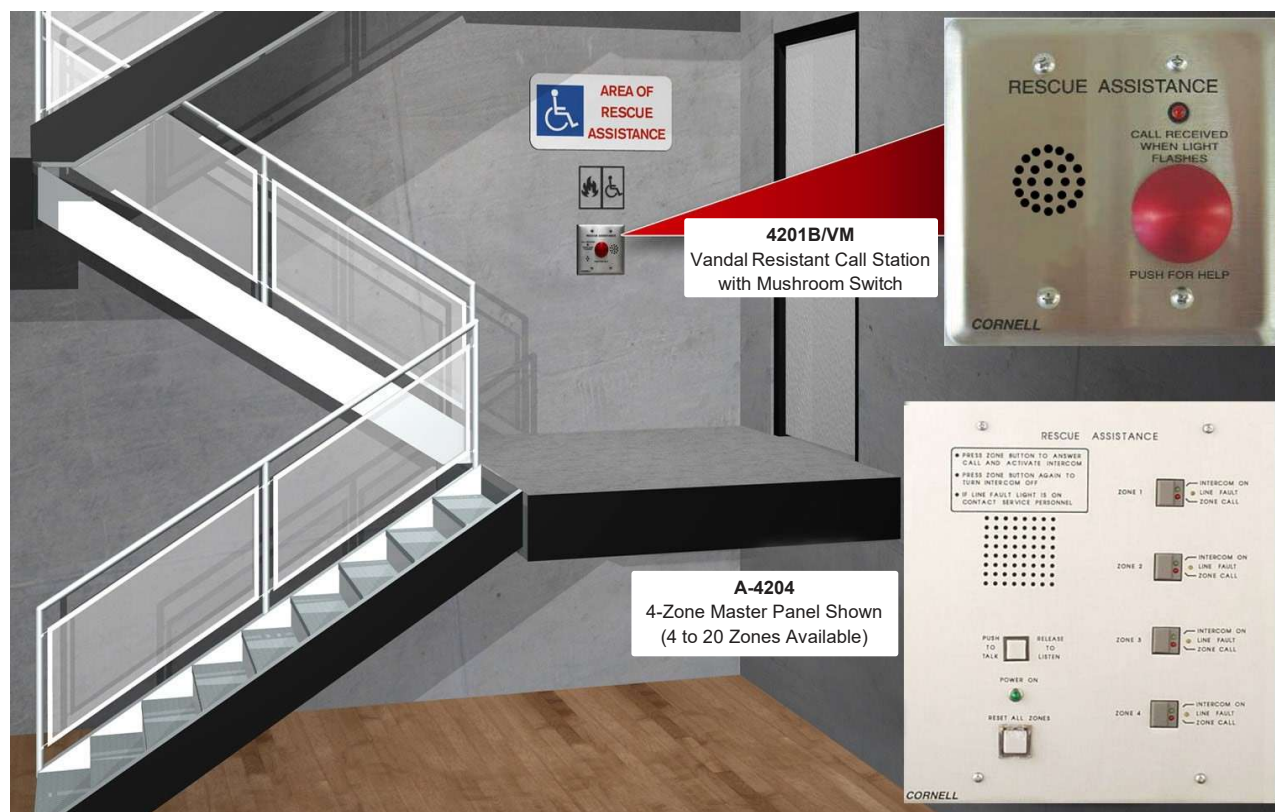


4200 Series

Area of Refuge / Rescue Assistance



A Communication Need: The Americans with Disabilities Act (ADA) now being enforced requires a Rescue Assistance System in all newly constructed multi-story commercial buildings and public accommodations to provide a means to request evacuation assistance in emergencies. The ADA also applies these requirements to significant renovations of existing multi-story facilities.

A Dependable Solution: The 4200 Series Audio Rescue Assistance System is a time proven Rescue Assistance System that has received wide industry acceptance. The 4200 Series provides emergency two-way voice communication between each Call Station and the Master Panel. Cornell also offers an add-on dialer to allow system calls to dial an offsite monitoring location and deliver a message.

Instructions: Screen-printed operation instructions on the Master Panel allow emergency responders and others to quickly utilize.

Small (4-Zone) to Large (20-Zone) Sizes Available: Now available in standard sizes to 4 to 20 zones. Call factory for larger applications.

Easy-to-Use: An emergency call is initiated by simply pressing any of the Call Station buttons, indicated by a single tone and flashing red LED. At the Master Panel, the alert is annunciated with a repeating tone and red "Zone Call" LED. Press a zone button "in" to answer the zone call, indicated by the green "Intercom On" LED. Use the "Push to Talk" button to communicate with the Call Station. Complete the call by pressing the zone button again in the "out" position and use the "Reset All Zones" button to clear completed calls. The caller need not take any other action to communicate with the control station, an important feature when a caller is under stress in an emergency situation.

Vandal Resistant: CORNELL now offers as a standard, Vandal Resistant Call Stations and optional outdoor application Call Stations, featuring a coating that provides weather protection. This design offers heavy duty switches and speakers along with heavy gauge stainless steel plates and Phillips screws. Tamper proof screws are available for purchase along with the tool to install them if required.

Signage: CORNELL offers a complete line of Rescue Assistance Signage, including powered signs with battery back-up, our RADIANCE™ photoluminescent room identification signs, as well as directional and location signs. These signs meet ADA specifications for use with Areas of Rescue Assistance and are typically required for most installations. Check with your local AHJ to see what signage is required for your specific installation.

Component	Model	Zones	Panel Size	Back Box	Back Box Size
Annunciator Panels	A-4204	4	11"H x 10"W	BB-40	10"H x 9"W x 3.5"D
	A-4208	8	11"H x 14"W	BB-41	10"H x 13"W x 3.5"D
	A-4212	12	11"H x 18"W	BB-42	10"H x 17"W x 3.5"D
	A-4216 or A-4220	16 or 20	20"H x 14"W	BB-43	19"H x 13"W x 3.5"D

Flush Switch Station	4201B/V	Unlimited	2-Gang Plate 4.5"H x 4.5"W	Standard 2-Gang Outlet Box	Standard 2-Gang Outlet Box
Mushroom Switch Station	4201B/VM				
Weatherproof Mushroom Switch Station	4202				

Component	Model	Description	Size
Power Supply*	B-5243A	Battery Backup Power Supply 24VDC 3AMP	15.5"H x 12"W x 4.5"D
Telephone Access Kits	TAK-4202	2 input auto dialer and digital announcer	5.25" x 3.6" x 1.75"
	TAK-4208	8 input auto dialer and digital announcer	8.3" x 6.3" x 1.8"
Custom Cable	CB-4200	Custom manufactured cable for the Cornell Series 4200 ARA System	1000' Rolls

Specifications

The CORNELL Annunciator Panel shall include one alternate action switch with two internal LED indicators for each zone. An audible alarm on the Annunciator Panel will emit a minimum sound level of 90db at 30cm. A yellow LED light for each zone will illuminate and the alarm will emit a repeating sound if any of the supervised lines are faulted.

The panel shall be constructed of anodized aluminum with permanently silk-screened zone designations on the panel as well as a designation strip. The CORNELL Call Station, 4201B/V, 4201B/ VM or 4202, shall consist of one momentary switch with LED and one audible alarm device with a sound level minimum of 70db at 30cm. The station will be wall mounted on a stainless steel plate and is vandal resistant.

Options

The 4200 Series can be wired to have a remote monitor panel. This Panel will be for monitoring only. No remote control is available on this system.

The 4200 Series Mushroom Button Call Station have a momentary contact that can be used to activate external devices, such as a camera, strobe, or tone device.

Wiring Requirements

CORNELL CB-4200 Cable is recommended. Four conductors plus one shielded pair are required between each Call Station and the Annunciator Panel not to exceed 3000 feet. Power wire shall be 18-gauge (minimum). Two conductors are required between the Power Supply and the Annunciator Panel not to exceed 500 feet. The TAK- 4202 & TAK-4208 requires a 120V AC outlet and an external telephone line.

<u>ACTIVITY</u>	<u>CONTROL PANEL</u>	<u>CALL STATION</u>
Standby Mode	No Light/Tone	No Light/Tone
Alarm Sent	Steady LED/Intermittent Tone	Steady LED, Tone/One Time
Alarm Acknowledged/Activated	Flashing Red LED/Steady Green	Flashing LED/One Time Tone
Intercom On	Push to Talk/Release to Listen	Hands Free Communication
Intercom Off	Flashing Red LED/Access Zone Switch	Flashing Button
Wiring Fault	Yellow LED at Zone/Access Zone Switch	LED will not light