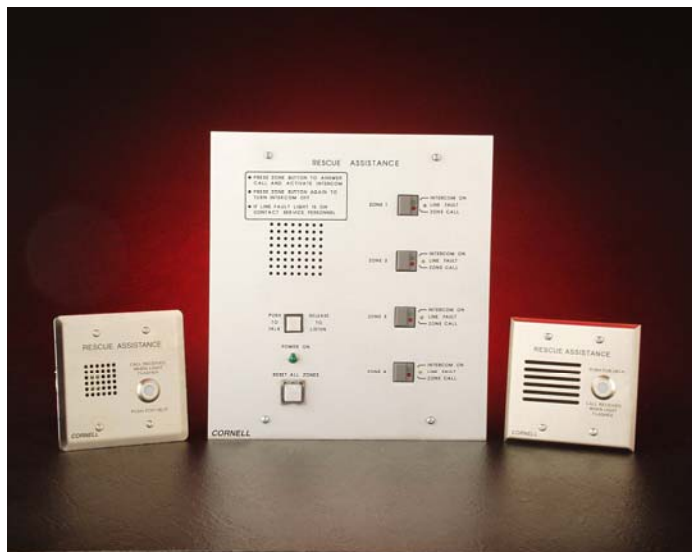




CORNELL

Emergency Response Systems



Rescue Assistance Systems

Series 4200

Audio/Visual

A-4204 Annunciator Panel

4201B Call Station

4201B/V Vandal Proof Call Station

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 to significant renovations of existing multi-story facilities.

A Reassuring Solution

The 4200 Series Audio Rescue Assistance System is an extension of the time proven CORNELL 4100 Rescue Assistance System that has received wide industry acceptance. The 4200 includes voice communication, which is initiated by simply depressing the call station button transmitting the signal to a central annunciator panel and optional access to a public telephone line. A single pulse tone and a flashing light signals the caller that the alarm has been received. The control station can then talk to the caller. 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.

Versatile, Dependable

The control station operator on receiving a call station signal activates a zone button that illuminates both a flashing red LED and a green "voice" LED. By depressing and releasing the "talk" button, voice communication is established for as long as required. Upon completion the appropriate zone button is depressed again; however, the flashing red light continues. If more than one zone is signaling, the control station accepts the calls in the same manner.

When the emergency is resolved, the control station operator pushes a reset button that restores the entire system to stand-by status. In the event of a wiring fault, each annunciator button is equipped with a yellow LED that will illuminate and an alarm that will sound identifying the area requiring service.

Vandal Proof

CORNELL offers the optional 4201B/V Vandal Proof call stations. This design offers heavy duty switches and speakers along with stainless steel plates and tamper-proof screws. The switches and speakers are water-resistant for exterior applications.

Signage

CORNELL offers a complete line of Rescue Assistance Signage. This includes a series of battery powered lighted room identification signs as well as direction and location signs. These signs meet ADA specifications for use with Areas of Rescue Assistance.

Customer Service

An experienced and technically qualified staff is available to assist you in analyzing your application. For immediate service call CORNELL at:

1-800-558-8957

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Dimensions/Descriptions

COMPONENT	MODEL	ZONES COVERED	ANNUNCIATOR PANEL	BACK BOX	BACK BOX
Annunciator Options	A-4204	4	11" H x 10" W	BB-40	10" H x 9" W x 3 1/2" D
	A-4208	8	11" H x 14" W	BB-41	10" H x 13" W x 3 1/2" D
	A-4212	12	11" H x 18" W	BB-42	10" H x 17" W x 3 1/2" D
	A-4216	16	20" H x 14" W	BB-43	19" H x 13" W x 3 1/2" D
	A-4220	20	20" H x 14" W	BB-43	19" H x 13" W x 3 1/2" D
Call Station	4201B 4201B/V	Unlimited Unlimited	Two Gang Plate Two Gang Plate	Two Gang Box Two Gang Box	
COMPONENT	MODEL	DESCRIPTION		SIZE	
Power Supply	B-5243A	Battery Back-up / Power Supply 24VDC 3 AMP Battery "standby" power with CORNELL supplied batteries		15 1/2" H x 12" W x 4 1/2" D	
Telephone Access Kit	TAK-4200	A fully programmable auto dialer and digital announcer		7 3/8" W x 5"H x 1 3/4"D	

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, Model 4201B, 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.

Wiring Requirements

Wiring shall consist of 22-gauge

(minimum) wire. Three 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-4200 requires a 120V AC outlet and an external telephone line.

Principle of Operation

ACTIVITY	CONTROL PANEL	CALL STATION
Stand by 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 Button/One Time Tone
Intercom On	Push to Talk/Release to Listen	Hands Free Communication
Intercom Off	Flashing Red LED/Access Zone Button	Flashing Button
Wiring Fault	Yellow LED at Zone/Intermittent Tone	Button will not light

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