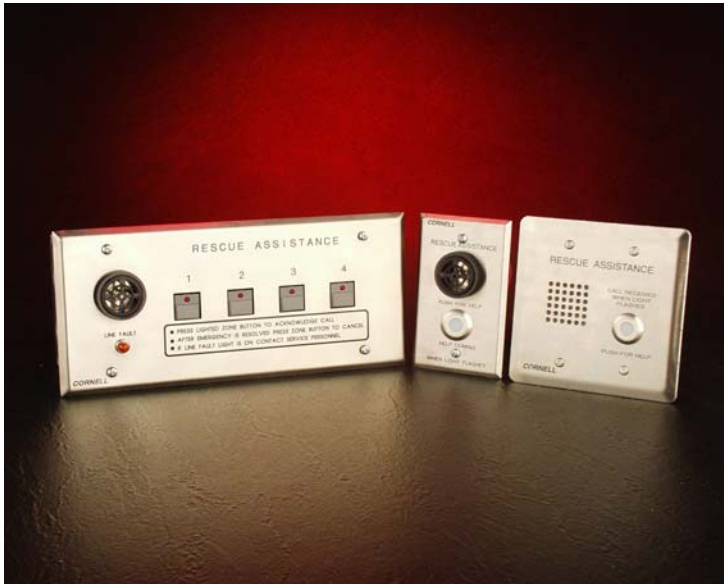




# CORNELL

Emergency Response Systems



## Rescue Assistance Systems

### Series 4100 Visual

A-4104 Annunciator Panel

4101A Call Station

4101/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 cost effective solution is the CORNELL 4100 Rescue Assistance System, which communicates the need for evacuation assistance. The 4100 provides a reliable repeating tone and light signal at the central station. When the alarm is acknowledged, the caller is signaled visually and audibly that help is on the way. When the emergency is resolved, pressing the acknowledgement button a second time resets the zone. For additional safety, a line fault lamp will signal the central station if the wiring has been faulted.

### **Versatile, Economical**

The economical 4100 System, which is designed for a nearly unlimited number of zones or floor locations, is ruggedly constructed of stainless steel, anodized aluminum, and emits a loud, clear tone that commands an immediate response. When the call station is activated the long-life LED indicator instantly identifies the zone of need. When the control station is activated a light and sound signal informs the caller that the request has been heard.

### **Vandal Proof Design**

CORNELL offers the optional 4101/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. These two gang plates also incorporate easy-touch lighted buttons for ease of call placement.

### **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 Support**

For over 25 years, CORNELL has served the communication requirements of the hospital, clinic, nursing home, retirement, educational and business markets.

An experienced and technically qualified staff is available to assist you in analyzing your application and installation requirements and identifying solutions that exactly match your needs. For immediate service call CORNELL at:

**1-800-558-8957**

**CORNELL COMMUNICATIONS, INC.**

Milwaukee, Wisconsin USA - 800-558-8957 - 414-351-4660 - Fax 414-351-4657  
www.cornell.com - sales@cornell.com





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## Dimensions/Descriptions

COMPONENT	MODEL	ZONES COVERED	ANNUNCIATOR PANEL	BACK BOX
Annunciator Options	A4104	4	4 ½" H x 10" W	Five Gang Box
	A4108	8	5 ½" H x 19" W	4 ½" H x 17" W x 3 ½" D
	A4112	12	8 ½" H x 19" W	7 ¾" H x 17" W x 3 ½" D
	A4116	16	8 ½" H x 19" W	7 ¾" H x 17" W x 3 ½" D
	A4120	20	12 ½" H x 19" W	11 ¼" H x 17" W x 3 ½" D
	A4124	24	12 ½" H x 19" W	11 ¼" H x 17" W x 3 ½" D
Call Station	4101A 4101V	Unlimited Unlimited	Single Gang Plate Two Gang Plate	Single Gang Box Two Gang Box

COMPONENT	MODEL	DESCRIPTION	SIZE
Power Supply Options	P-512243A	Power Supply 24 VDC/3AMP	13 ½" H x 12 ¾" W x 3 ¼" D
	B-5243A	Battery Back-up / Power Supply 24 VDC/3AMP Battery "standby" power with CORNELL supplied batteries	15 ½" H x 12" W x 4 ½" D

## Specifications

The CORNELL Annunciator Panel shall include one alternate action switch with 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 designations on the panel as well as a designation strip.

The CORNELL Call Station, Model 4101A, 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. Four conductors 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.

## 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 LED/No Tone	Flashing LED/Intermittent Tone
Wiring Fault	Yellow LED at Zone/Intermittent Tone	No LED/No Tone

Rev 1/03

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