

**A 202 Elevator Voice  
ELEVATOR FLOOR and SAFETY  
MESSAGE ANNOUNCER**

**INSTALLATION  
MANUAL**

Thank you for purchasing the most flexible voice announcement and messaging system available to the elevator industry. Every effort has been made to preset your unit to the exact job specifications. Please compare the enclosed survey with the actual job requirements. If they do not match, use this manual to make changes.

## **KEY OPERATING CONSIDERATIONS**

The A202 Elevator Voice System makes FLOOR ANNOUNCEMENTS only when the door trigger is activated. The unit requires first a floor signal to select the floor announcement then a door trigger signal to initiate announcement playback. It will make a floor announcement only when the floor signal is followed by a door trigger signal.

The DIRECTION announcement is made after the floor announcement when the direction inputs are active, power applied, when door trigger is activated.

An EMERGENCY announcement will play when the emergency message input is active, power applied. When the input goes active, the emergency announcement plays.

The SPEAKER is installed in a panel or above the ceiling. An optional jamb mount speaker is available. Refer to parts list.

## **WIRING**

Refer to PC Board Connections diagram for wiring.

In many elevator control systems the PI, trigger, direction, nudging, and emergency message inputs do not share a common power return. For control systems that share a common power return the common inputs on the A202 PC board may be tied together.

1. Turn power off. Mount Elevator Voice in a convenient location (usually on top of the car).
2. Mount the speaker above the ceiling out of sight, unless the jamb mount speaker option is used.
3. Connect a wire from each Position Indicator floor output to its corresponding input on PC board. Use FLR COMMON for the twelve floor select inputs.
4. Connect the wires from the Position Indicator UP and DOWN signals or UP and DOWN ARROWS to the UP and DOWN direction inputs. Use DIR COMMON for the direction inputs.
5. Connect a wire from the door open trigger to the trigger input. If the message must play when voltage is applied to the trigger input, use trigger +. If the message must play when voltage is removed from the trigger input, use trigger -. Use FLR TRIG COM for the trigger input.
6. Connect the wires for playing emergency announcements to the appropriate emergency announcement input. Use EM COMMON for these announcements.

7. Connect the wires for playing the nudging and watch you step messages. Use the NDG COMMON for these inputs.

6. Connect 120 VAC power from the car to the black wires on the power transformer.

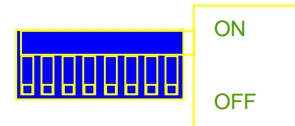
## SPEAKER VOLUME

Adjust the MASTER VOLUME CONTROL so the direction announcements are easily heard in the lobby. Adjust the FLOOR MESSAGE VOLUME so the floor announcements are easily heard in the car but not too loud.

## OPTIONS SELECT SWITCH

### Floor Select Signal Format

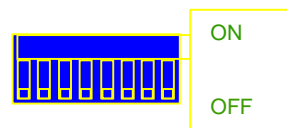
Switch Number				Signal Format
1	2	3	4	
OFF	OFF	OFF	ON	LINE - FLOOR
OFF	OFF	ON	OFF	BINARY
OFF	OFF	ON	ON	INVERSE BINARY
OFF	ON	OFF	OFF	BCD
OFF	ON	OFF	ON	INVERSE BCD

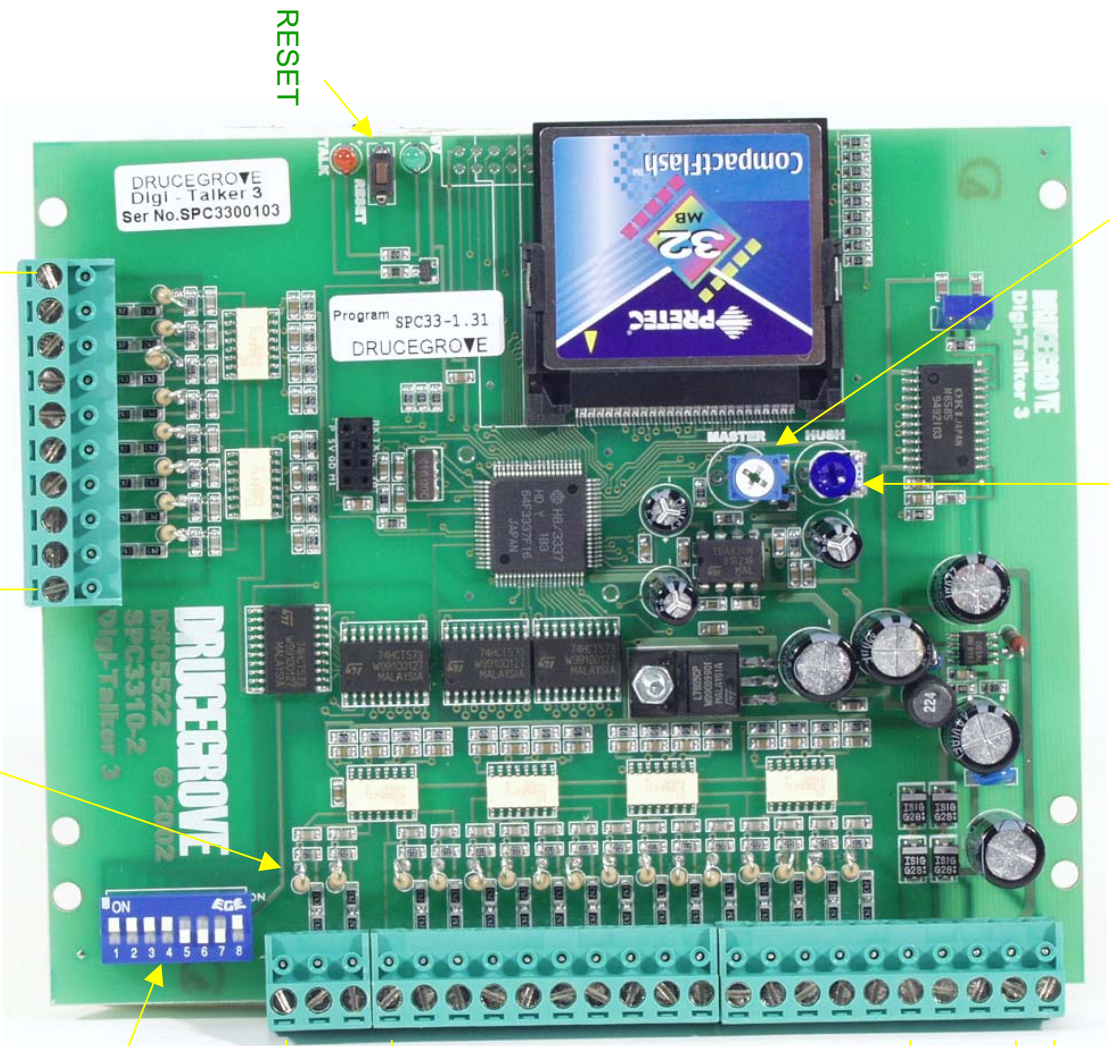


### Self Test

The play all messages set dipswitches 1-4 to ON and then dipswitches 6-8 to play each of the message memory folders. After test, return dipswitches 1-4 to select the proper floor input signal format.

Switch Number			Memory Folder
6	7	8	
OFF	OFF	ON	MAIN
OFF	ON	OFF	1
OFF	ON	ON	2
ON	OFF	OFF	3
ON	OFF	ON	4





RESET

FLR TRIG COM  
TRIGGER +  
TRIGGER -  
EM ANNOUNCE 1  
EM ANNOUNCE 2  
EM ANNOUNCE 3  
EM ANNOUNCE 4  
EM ANNOUNCE 5  
EM ANNOUNCE 6  
EM COMMON

VOLTAGE  
SELECT  
RESISTORS

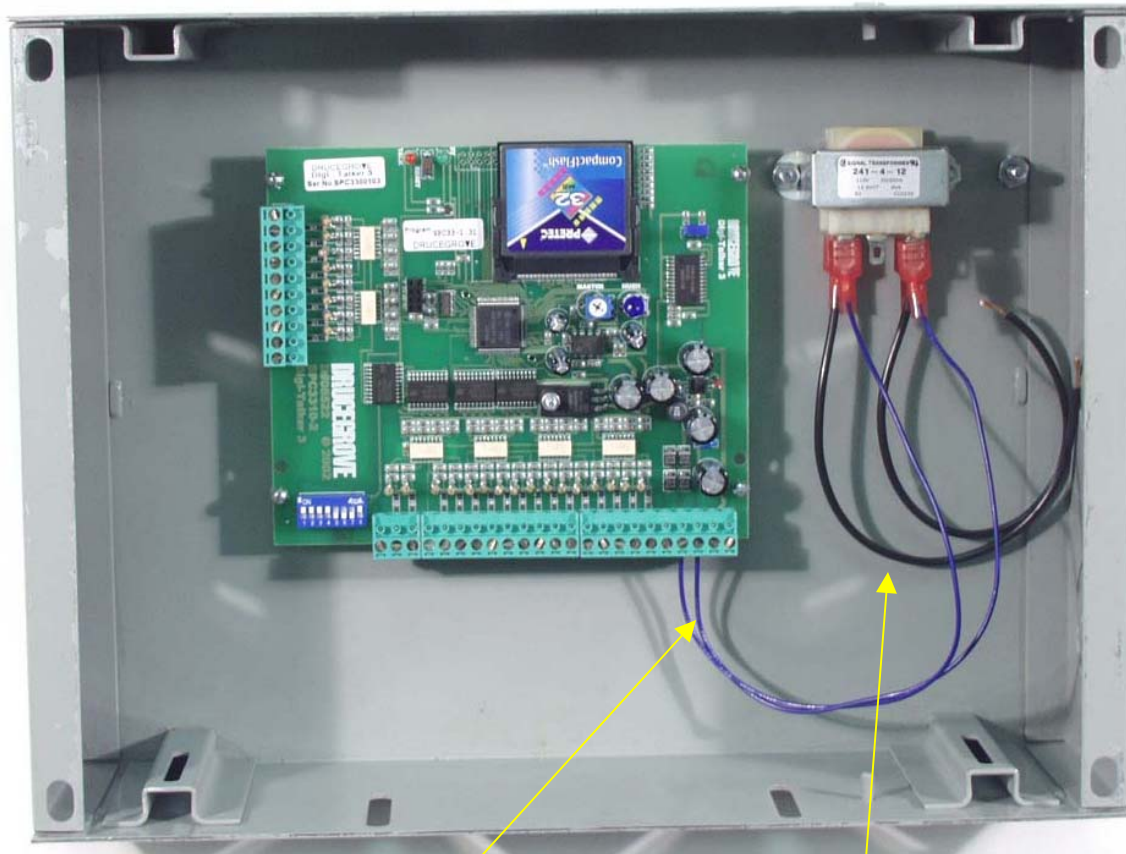
SEE SIGNAL  
INPUT VOLTAGE  
SECTION

OPTIONS  
SELECT  
SWITCH

MASTER,  
DIRECTION,  
NUDDING,  
VOLUME

FLOOR  
MESSAGE  
VOLUME

SPEAKER  
SPEAKER  
LV POWER  
LV POWER  
FLR COMMON  
FLOOR 12  
FLOOR 11  
FLOOR 10  
FLOOR 9  
FLOOR 8  
FLOOR 7  
FLOOR 6  
FLOOR 5  
FLOOR 4  
FLOOR 3  
FLOOR 2  
FLOOR 1  
UP  
DOWN  
DIR COMMON  
WATCH STEP  
NUDDING  
NDG COMMON



LOW VOLTAGE POWER  
WIRES TO PC BOARD

HIGH VOLTAGE POWER WIRES  
TO TRANSFORMER

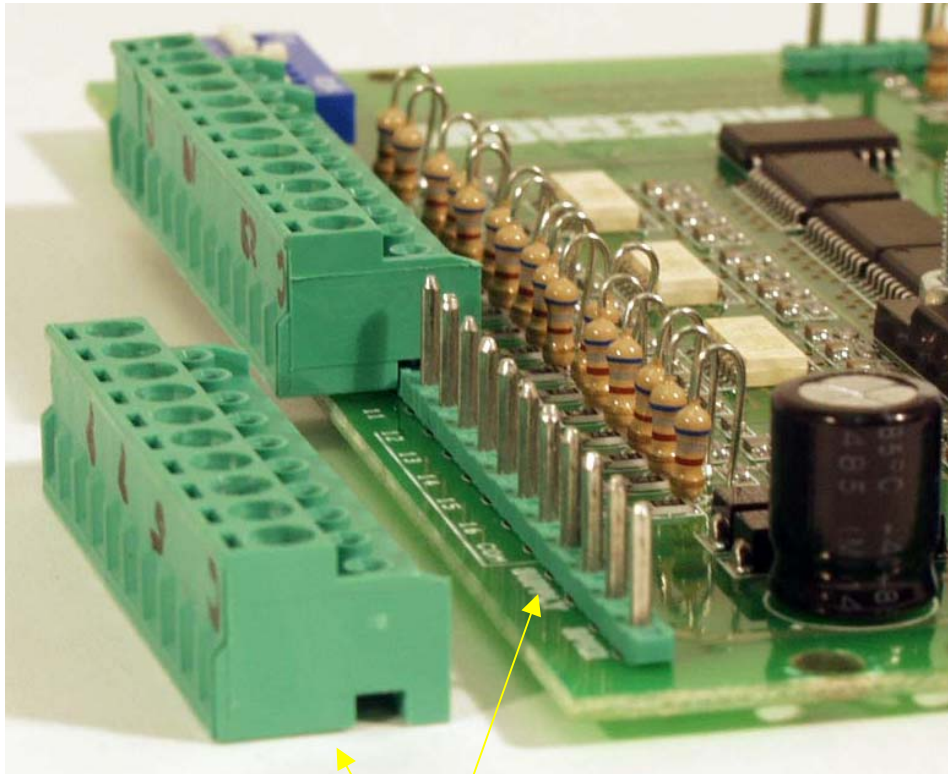
**USE BOTTOM TERMINALS**

## SIGNAL INPUT VOLTAGES

The A202 responds to any signal voltage between 90 and 150 AC or DC. If your control system has signal voltages between 12 and 24 volts, cut the resistor lead for these inputs as shown below. Other voltages are available as special order.



CUT ALL (24 TOTAL)  
VERTICALLY MOUNTED  
RESISTOR LEADS HERE  
FOR 12 TO 24 VOLT  
INPUT.



NOTE: THE TERMINAL STRIP IS ALSO CONNECTOR.

## Parts List

A202	Floor & Safety Message Announcer, complete kit
A202PCB	Replacement PCB, not programmed
A202MEM	Replacement Memory, programmed
A202SPKR	Replacement Speaker
A200SS41	Speaker, Jamb Mount

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## Elevator Voice A202 Specifications

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Power:	120 VAC 50/60 Hz 6 Watts Max
Size:	13 in. x 9 ½ in. x 3 ½ in.
Output:	2 Watts into an 8 ohm speaker
Signal Inputs:	90 to 150 VAC or VDC or 20 to 30 VAC or VDC.
Signal Formats:	Line per Floor, Binary (0 lowest landing), Binary (1 the lowest landing), Inverse Binary (0), Inverse Binary (1), Binary Coded Decimal, Inverse BCD
Maximum Floors:	Line per Floor – 12 floors; BCD – 99 floors; Binary – 250 floors
Message Triggers:	Two Floor Message Triggers play announcement upon the application of power or the removal of power from the input.
Volume Control:	Dual volume controls so that direction, door closing, and emergency messages play louder than floor announcements.
Direction Messages:	Automatically appends “going up” or “going down” to floor announcement whenever direction inputs are active.
Emergency Messages:	Contains six standard emergency messages. Additional or job specific messages available. Longer lead times and charges may apply.
Emergency Message 1:	Do not be alarmed. This car is needed for a medical emergency. When the doors open, please exit in a safe and orderly manner.
Emergency Message 2:	Do not be alarmed. This car is transferring to emergency power. When the doors open, please exit in a safe and orderly manner.
Emergency Message 3:	Do not be alarmed. This car is now in firefighters return service. When the doors open, please exit in a safe and orderly manner.
Emergency Message 4:	This car is needed for an emergency. When the doors open, please exit in a safe and orderly manner.
Emergency Message 5:	Please exit the car.
Emergency Message 6:	This car is full.
Nudging:	Announces, “Please allow the doors to close.” warning whenever nudging input is active.
Out of Level:	Announces, “Please watch your step.” warning whenever out of level signal is active.
Male Female Voices:	Male, Female, Floor One, First Floor announcements are randomized to minimize listener fatigue.
Languages:	Bi-lingual option plays every message in English and Spanish or English and French.
Memory:	CompactFlash™ memory for up to four hours of messages™ and safety announcements.
Message Changes:	Fast-N-Easy message upgrades with Adams email option. Coming soon!
Custom Messaging:	For special floor announcements, emergency messages and additional languages contact Adams Parts Sales.