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Thank you for using our products.

### INSTALLATION INSTRUCTIONS AC BELLS

Use this product according to this instruction manual. Please keep this instruction manual for future reference.

## **GENERAL:**

Wheelock's 43T Bell Series is UL Listed under Standard 464 for Audible Signal Appliances. The 43T Bell Series is also ULC Listed under Standard CAN/ULC-S525-99 for Audible Signaling Appliances. The Bell's design features low power consumption with a high sound output, and includes suppression to minimize the RFI generated by the contacts. The Bells are available in either an AC model, for indoor or outdoor use in vibrating modes. Models are available with a 6" or 10" gong as shown below. The various mounting options available for the Bell Series makes for a convenient and economical installation.

NOTE: All CAUTIONS and WARNINGS are identified by the symbol . All warnings are printed in bold capital letters.

MARNING: PLEASE READ THESE INSTRUCTIONS CAREFULLY. FAILURE TO COMPLY WITH ANY OF THE FOLLOWING INSTRUCTIONS, CAUTIONS AND WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

⚠ WARNING: THE 43T HORN APPLIANCE IS A "FIRE ALARM DEVICE – DO NOT PAINT."

#### SPECIFICATIONS:

Table 1: Ratings Per UL/ULC								
Model		Gong	Rated	UL Voltage	Maximum RMS	dBA at 10 Feet		Mounting
Number	Type	Size	Voltage	Range	Current	ULC	UL 464	Options
			(VRMS)	(VRMS)		Anechoic	Reverberant	
43T-G6-24		6"	24	16-33	0.666A	85	85	A,B,C,D
43T-G6-115	AC	6"	115	96-132	0.117A	85	85	A,B,C,D
43T-G10-24	Vibrating	10"	24	16-33	0.666A	88	88	A,B,C,D
43T-G10-115		10"	115	96-132	0.117A	88	88	A,B,C,D

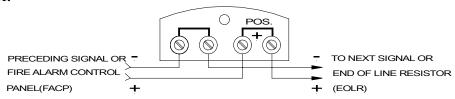
⚠WARNING: FOR UL/ULC APPLICATIONS THESE APPLIANCES WERE TESTED TO THE OPERATING VOLTAGE LIMITS OF 16-33 VOLTS FOR 24V MODELS OR 96-132V FOR 115V MODELS. DO NOT APPLY 80% AND 110% OF THESE VOLTAGE VALUES FOR SYSTEM OPERATION.

MARNING: MAKE SURE THAT THE TOTAL RMS CURRENT REQUIRED BY ALL APPLIANCES THAT ARE CONNECTED TO THE SYSTEM'S PRIMARY AND SECONDARY POWER SOURCES DO NOT EXCEED THE POWER SOURCES' RATED CAPACITY OR THE CURRENT RATINGS OF ANY FUSES ON THE CIRCUITS TO WHICH THESE APPLIANCES ARE WIRED. OVERLOADING POWER SOURCES OR EXCEEDING FUSE RATINGS COULD RESULT IN LOSS OF POWER AND FAILURE TO ALERT OCCUPANTS DURING AN EMERGENCY, WHICH COULD RESULT IN PROPERTY DAMAGE AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

When calculating the total currents: Use Table 1 to determine the highest value of "RMS Current" for an individual bell (across the expected operating voltage range of the bell), then multiply these values by the total number of bells; be sure to add the currents for any other appliances, powered by the same source and include any required safety factors.

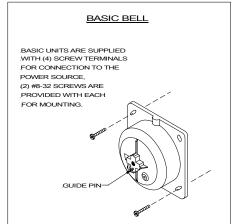
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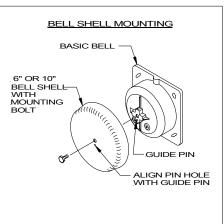
#### WIRING DIAGRAM:

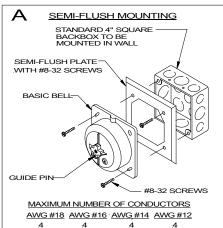


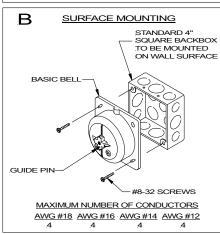
- Remove bell shell (Do not mix shells from other units.)
- Connect Wiring (Refer to Wiring Diagram.)
- Mount Bell To Backbox Using Screws Supplied With Unit.
- Reinstall Bell Shell (Note keyhole alignment.)

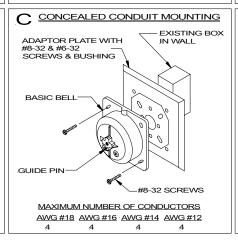
#### **MOUNTING OPTIONS:**

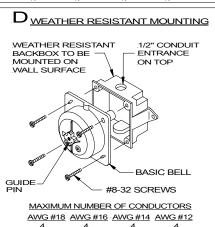












#### **MOUNTING PROCEDURES:**

- 1. For weather resistant installation, use outdoor mounting option. Outdoor backbox must be mounted vertically with "TOP" as marked to allow any moisture or condensation to drain properly through drain holes on bottom of backbox.
- 2. Each bell mechanism is adjusted to operate only with the shell provided. Do not mix shells and mechanisms during installation. Do not readjust bell mechanisms during installation.
- 3. Each input terminal accepts one lead for in-out wiring of 12-22 AWG wire. Strip wire leads approximately 1/2" for connection to terminals. Break wire run to provide electrical supervision.
- 4 All bells will operate on "coded systems" up to 2 on-off cycles per second.
- 5. The polarity shown in the wiring diagram is for proper operation of the appliances in alarm mode. For supervision mode, the polarity should be reversed.
- 6. Anechoic dB ratings are for "free field" (anechoic) conditions. Typical indoor sound output is usually higher than rated anechoic dB.
- 7. Backboxes for all bells should be securely mounted. Looseness may degrade sound output. Conduit entrance to backboxes should be selected to insure sufficient wiring clearance.

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IMPORTANT: READ SEPARATE "GENERAL INFORMATION" SHEET FOR INFORMATION ON THE PLACEMENT, LIMITATIONS, INSTALLATION, FINAL CHECKOUT, AND PERIODIC TESTING OF NOTIFICATION APPLIANCES.

## **Limited Warranty**

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