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**INSTALLATION INSTRUCTIONS
E60 SPEAKER & STROBE SPEAKER
EXTENSION RING (E60EXT)**

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

GENERAL:


The E60 Extension Ring (E60EXT) is designed for use with Wheelock's E60 Speaker and Speaker with Strobe Appliances (E60). The E60EXT is used to adapt the flush grille of the E60 for mounting to standard 4" electrical hardware. The E60EXT is to be used for indoor applications only.

The E60EXT is molded of GE NORYL N-190X or GE Cyclocac FR15U thermoplastic material, 94V-0 rated, UL approved.

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

 **WARNING: 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 AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

MOUNTING PROCEDURES:

 **CAUTION:** If sheathed multiconductor cable or 3/4" conduit fittings are used, check that installed product has sufficient clearance and wiring room prior to installing backboxes and conduit.

1. Flush Mounting

For low cost, flush mount, ceiling installations the E60EXT may be used with the E60 appliance, with a standard 4" square electrical box, 2-1/8" deep. The E60EXT is captured between the flush grille of the E60 appliance and the 4" box using two (2) #8-32 screws supplied (see Figures A & B).

2. Flush Mount Retrofit - 2-1/8" Deep Backbox

For applications where existing appliances are to be replaced with E60 appliances; and where it is desired to utilize existing 4" x 2-1/8" deep electrical boxes, the E60EXT ring may be used. Install the E60EXT between the flush grille of the E60 appliance and the existing 4" box using two (2) #8-32 screws supplied (see Figures A & B).

3. Select largest backbox whenever possible in order to provide maximum wiring room for ease of installation.

1. Conduit entrance to backboxes should be selected to insure sufficient wiring clearance for installed equipment. When extension rings are required, conduit should enter through backbox, not extension ring. Use Steel City #53171/2-1/8" deep extension rings or equal with same area cut out in back.
2. Please refer to the INSTALLATION INSTRUCTIONS provided for each E60 appliance before proceeding with your installation. These instructions cover use of the E60EXT – E60 Extension Ring **ONLY**.
3. To remove the grille, insert a small flat screwdriver into the slots on either side of grille to disengage the snaps. See Figure 1.

MOUNTING OPTIONS:

⚠ CAUTION: The following figures show the maximum number of field wires (conductors) that can enter the backbox used with each mounting option. If these limits are exceeded, there may be insufficient space in the backbox to accommodate the field wires and stresses from the wires could damage the product.

Although the limits shown for each mounting option comply with the National Electrical Code (NEC), Wheelock recommends use of the largest backbox option shown and the use of approved stranded field wires, whenever possible, to provide additional wiring room for easy installation and minimum stress on the product from wiring.

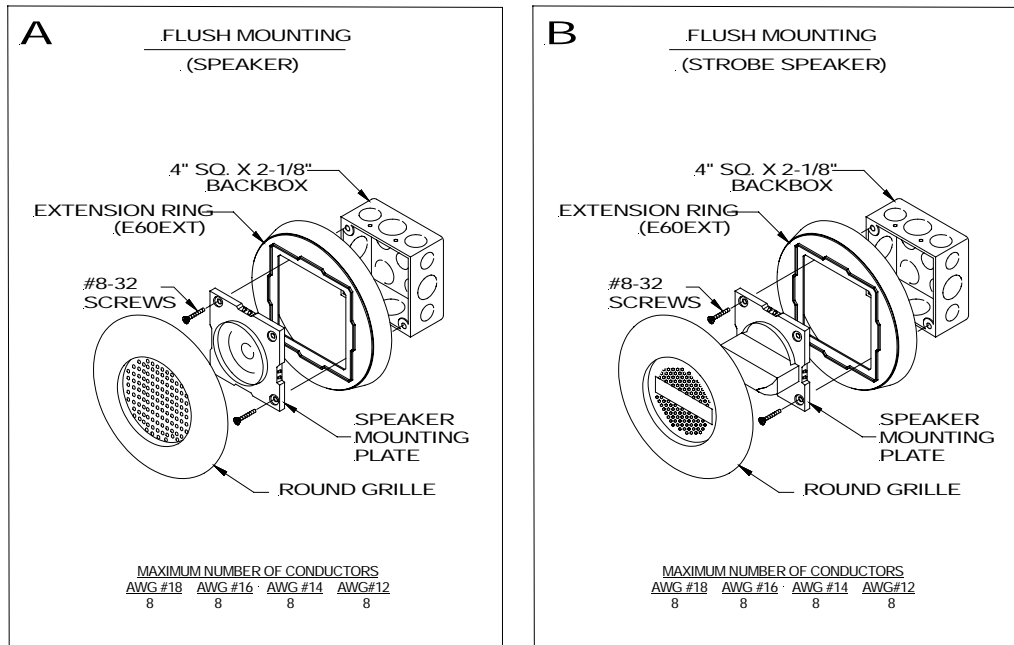
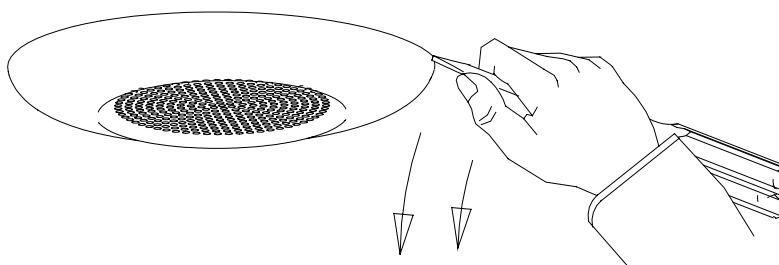


Figure 1: Speaker Grille Removal



Note: Non strobe grille shown.

1. Hold flat screwdriver near the tip and insert the tip about 1/8" into one of the slots in the grille as shown.
2. Pull straight down as shown to pop off grille.

⚠ CAUTION: Prying, turning or pivoting with screwdriver in order to remove the grille may result in damage to ceiling.

⚠ CAUTION: If audible strobe appliances are operated within 15 inches of a person's ear, they can produce a sound pressure level that exceeds the maximum 120dBA permitted by ADA and OSHA rules. Exposure to such sound levels can result in damage to a person's hearing.

⚠ WARNING: A SMALL POSSIBILITY EXISTS THAT THE USE OF MULTIPLE STROBES WITHIN A PERSON'S FIELD OF VIEW, UNDER CERTAIN CIRCUMSTANCES, MIGHT INDUCE A PHOTO-SENSITIVE RESPONSE IN PERSONS WITH EPILEPSY. STROBE REFLECTIONS IN A GLASS OR MIRRORED SURFACE MIGHT ALSO INDUCE SUCH A RESPONSE. TO MINIMIZE THIS POSSIBLE HAZARD, WHEELLOCK STRONGLY RECOMMENDS THAT THE NUMBER OF STROBES INSTALLED WITHIN A SINGLE ROOM, HALLWAY OR OTHER FIELD OF VISION NOT EXCEED THE PARAMETERS PRESCRIBED BY APPLICABLE LAWS, STANDARDS, REGULATIONS AND GUIDELINES. WHEELLOCK ALSO STRONGLY RECOMMENDS THAT THE INTENSITY AND FLASH RATES OF SUCH STROBES NOT EXCEED THOSE LEVELS ESTABLISHED BY APPLICABLE LAWS, STANDARDS, REGULATIONS AND GUIDELINES.

⚠ WARNING: WHEN INSTALLING STROBES IN AN OPEN OFFICE OR OTHER AREAS CONTAINING PARTITIONS OR OTHER VIEWING OBSTRUCTIONS, SPECIAL ATTENTION SHOULD BE GIVEN TO THE LOCATION OF THE STROBES SO THAT THEIR OPERATING EFFECT CAN BE SEEN BY ALL INTENDED VIEWERS, WITH THE INTENSITY, NUMBER, AND TYPE OF STROBES BEING SUFFICIENT TO MAKE SURE THAT THE INTENDED VIEWER IS ALERTED BY PROPER ILLUMINATION, REGARDLESS OF THE VIEWER'S ORIENTATION. FAILURE TO DO SO COULD RESULT IN PROPERTY DAMAGE AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

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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

Wheelock products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with these instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), Underwriters' Laboratories of Canada (ULC), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ). Wheelock products when properly specified, applied, installed, operated, maintained and operationally tested as provided above are warranted against mechanical and electrical defects for a period of three years from date of manufacture (as determined by date code). Correction of defects by repair or replacement shall be at Wheelock's sole discretion and shall constitute fulfillment of all obligations under this warranty. THE FOREGOING LIMITED WARRANTY SHALL IMMEDIATELY TERMINATE IN THE EVENT ANY PART NOT FURNISHED BY WHELOCK IS INSTALLED IN THE PRODUCT. THE FOREGOING LIMITED WARRANTY SPECIFICALLY EXCLUDES ANY SOFTWARE REQUIRED FOR THE OPERATION OF OR INCLUDED IN A PRODUCT. WHELOCK MAKES NO REPRESENTATION OR WARRANTY OF ANY OTHER KIND, EXPRESS, IMPLIED OR STATUTORY WHETHER AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER.

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