

DESCRIPTION AND INSTALLATION  
BELL, LOUD EXTENSION

1. GENERAL

1.01 This section contains a description and the installation procedures for the A. E. Co. loud extension bell.

1.02 This type of bell provides for signalling in areas where the noise level is higher than acceptable for standard telephone ringers or where it is desirable for ringing to be heard over a wide range. Loud extension bells are available for straight line ringing and twelve different ringing frequencies. Table 1 lists twelve types of bells and their resonant frequencies.

2. DESCRIPTION

2.01 The bell assembly consists of two 6-inch gongs, a ringer and ringer condenser. The ringer and ringer condenser are mounted inside a cast aluminum weatherproof housing along with a terminal strip. The bell is 8-3/4 inches high by 12-3/4 inches wide by 4-1/2 inches deep. The housing cover is rectangular, with a lip that extends over the periphery of the housing, and mounts with two screws. Figure 1 is an illustration of the loud extension bell.

3. INSTALLATION

3.01 Whenever possible the loud extension bell should be installed in a location designated by the customer. If the customer suggests an impractical location, the installer should tactfully explain why the location is impractical.

3.02 The bell shall be mounted on a wood surface. If a wood surface is not available, a wood backboard with an area adequate for mounting the bell should be provided locally.

3.03 Mount the bell on the backboard and other types of wood surfaces with two 1-inch No. 7 galvanized screws. Two holes are provided in the back of the bell housing for mounting. When the bell is mounted correctly, the slanted portion (contains two screw holes) on the rear of the housing will be flush against the backboard and the housing cover will rest at approximately a forty degree slant. If the bell must be mounted to a surface other than wood, appropriate standard fasteners should be used.

3.04 Figure 2 is a wiring diagram of the loud extension bell. To connect the bell to the line, remove bell housing cover; this provides

access to the terminal strip. Extend wiring from the associated telephone or its protector through the hole provided in the bottom of the bell housing and up to the terminal strip. Connect to terminal strip, replace bell housing cover and test bell in accordance with standard practices.

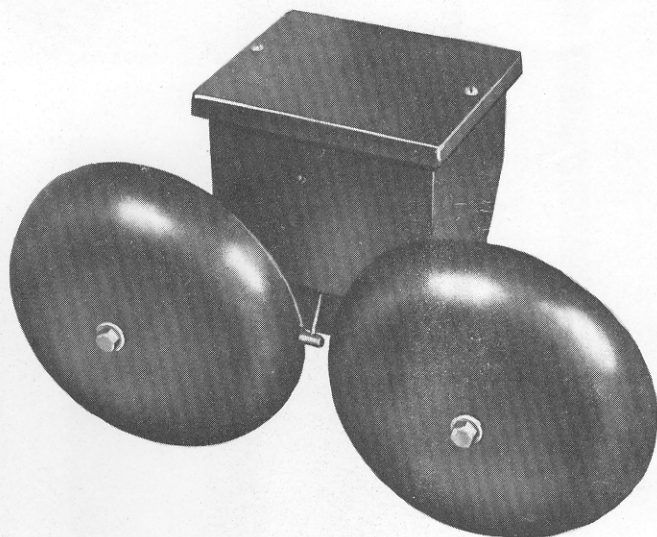


Figure 1. Loud Extension Bell, Front View.

Table 1. List of Available Loud Extension Bells and Their Resonant Frequencies.

Code No.	Type of Ringing
D-56559-ASL	For straight line ringing
D-56559-A16	For 16.6 cycle ringing
D-56559-A20	For 20 cycle ringing
D-56559-A25	For 25 cycle ringing
D-56559-A30	For 30 cycle ringing
D-56559-A33	For 33.3 cycle ringing
D-56559-A40	For 40 cycle ringing
D-56559-A42	For 42 cycle ringing
D-56559-A50	For 50 cycle ringing
D-56559-A54	For 54 cycle ringing
D-56559-A60	For 60 cycle ringing
D-56559-A66	For 66 cycle ringing
D-56559-A67	For 66.6 cycle ringing.

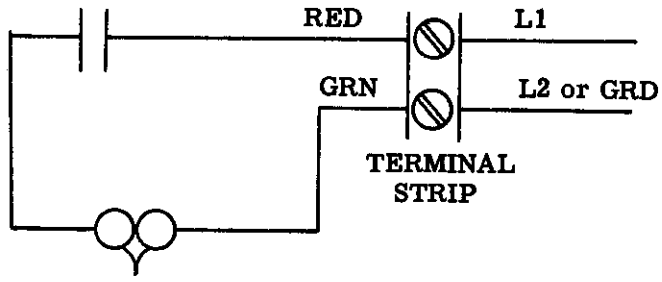


Figure 2. Wiring Diagram of Loud Extension Bell.