



**6" BELL SHOWN**

**UL Listed, FM Approved**

**Sizes Available:** 6" (150mm), 8" (200mm) and 10" (250mm)

**Voltages Available:** 24VAC  
120VAC  
12VDC (10.2 to 15.6) Polarized  
24VDC (20.4 to 31.2) Polarized

**Service Use:** Fire Alarm  
General Signaling  
Burglar Alarm

**Environment:** Indoor or outdoor use (See Note 1)  
-40° to 150°F (-40° to 66°C)  
(Outdoor use requires weatherproof  
backbox.)

**Termination:** 4 No. 18 AWG stranded wires

**Finish:** Red powder coating

**Optional:** Model BBK-1 weatherproof backbox

These vibrating type bells are designed for use as fire, burglar or general signaling devices. They have low power consumption and high decibel ratings. The unit mounts on a standard 4" (101mm) square electrical box for indoor use or on a model BBK-1 weatherproof backbox for outdoor applications. Weatherproof backbox model BBK-1, Stock No. 1500001.

ALL DC BELLS ARE POLARIZED AND HAVE BUILT-IN TRANSIENT PROTECTION:

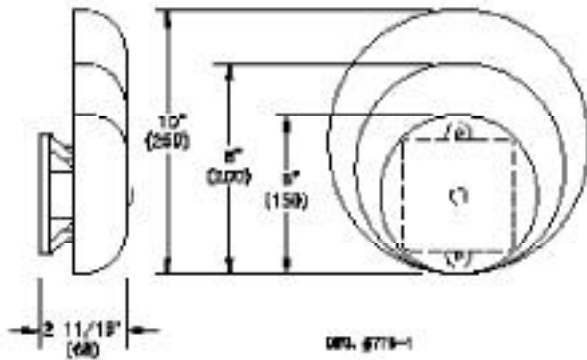
SIZE INCHES (mm)	VOLTAGE	MODEL NO.	STOCK NO.	CURRENT (MAX.)	TYPICAL dB AT 10 FT. (3m) (2)	MINIMUM dB AT 10 FT. (3m) (1)
6 (150)	12VDC	PBD126	1706012	.12A	85	76
8 (200)	12VDC	PBD128	1708012	.12A	90	76
10 (250)	12VDC	PBD1210	1710012	.12A	92	76
6 (150)	24VDC	PBD246	1706024	.06A	87	76
8 (200)	24VDC	PBD248	1708024	.06A	91	79
10 (250)	24VDC	PBD2410	1710024	.06A	94	79
6 (150)	24VAC	PBA246	1806024	.17A	91	76
8 (200)	24VAC	PBA248	1808024	.17A	94	76
10 (250)	24VAC	PBA2410	1810024	.17A	94	76
6 (150)	120VAC	PBA1206	1806120	.05A	92	82
8 (200)	120VAC	PBA1208	1808120	.05A	99	82
10 (250)	120VAC	PBA12010	1810120	.05A	99	85

**Notes:**

1. Minimum dB ratings are calculated from integrated sound pressure measurements made at Underwriters Laboratories as specified in UL Standard 464. UL temperature range is -30° to 150°F (-34° to 66°C).
2. Typical dB ratings are calculated from measurements made with a conventional sound level meter and are indicative of output levels in an actual installation.

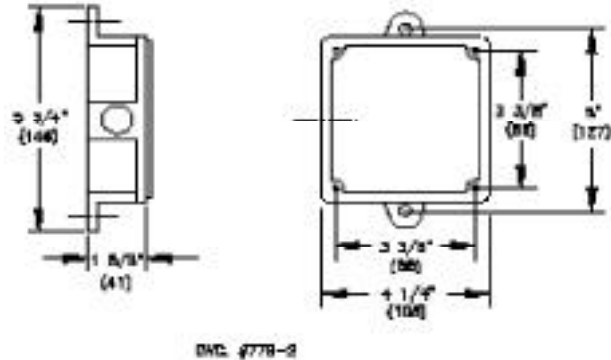
**DIMENSIONS**  
INCHES (mm)

**FIG. 1 BELLS**

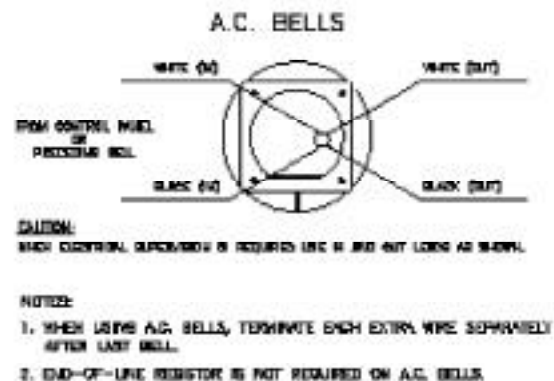
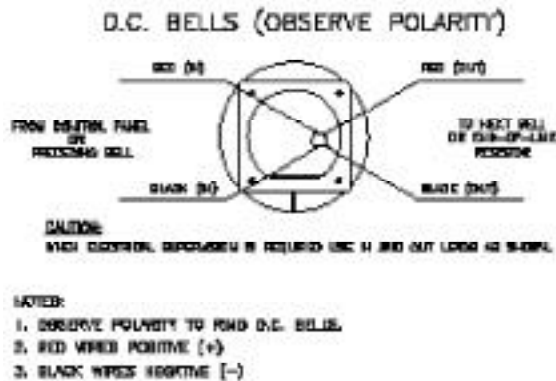


**FIG. 2 WEATHERPROOF BACKBOX**

BOX HAS ONE THREADED 1/2" CONDUIT ENTRANCE



**FIG. 3 WIRING (REAR VIEW)**



DWG. #775-3

**INSTALLATION**

1. The bell should be mounted a minimum of 8 ft. (2,4m) from the floor or as close to the ceiling as possible.
2. Remove the gong.
3. Connect wiring (see Fig. 3).
4. Mount bell mechanism to backbox (bell mechanism must be mounted with the striker pointing down).
5. Reinstall the gong (be sure that the gong positioning pin, in the mechanism housing, is in the hole in the gong).
6. Test all bells for proper operation and observe that they can be heard where required (bells must be heard in all areas as designated by the authority having jurisdiction).