



DESIGNED FOR ROUTINE SIGNALING

- Range of up to 200 feet
- Coded or sustained tones
- Model 350 – 12, 24, 120 and 240VAC; Model 450 – 12, 24, 125 and 250VDC
- Model 350 produces 100dBa at 10'
- Model 450 produces 99dBa at 10'
- Type 4X when installed with Panel Mount Gasket Kit or Weatherproof Backbox (Model WB); Type 4X and Type 12 when installed with Surface Mount Trim Ring (Model TR)
- UL and cUL Listed, CSA Certified and FM Approved

Vibratone® Horns

Models 350 and 450

The Models 350 and 450 Vibratone Horns produce a very loud horn tone by the electro-mechanical vibration of a diaphragm. Capable of reproducing coded blasts or sustained tones through the use of a number of control devices from a push button to a PLC. Federal Signal's Vibratone horn is excellent for general alarm, start and dismissal, coded paging, and process control signaling in areas of high ambient noise levels.

The Vibratone Model 350 is available in AC voltages; 12VAC, 24VAC, 120VAC and 240VAC. The Model 350 produces 100dBa @ 10', except the 12VAC model, which produces 94dBa @ 10'.

The Model 450 is available in DC voltages; 12VDC, 24VDC, 125VDC and 250VDC. The Model 450 produces 99dBa @ 10'.

Vibratone mounting options provide for surface, flush or semi-flush mounting on walls, panels, in cabinets, on 4-inch square outlet boxes, or in concrete and deep wall constructions.

Installed on the front of a Vibratone Horn, the optional Model PR Projector or Model PR2 Double Projector direct sound output straight ahead or to the sides, optimizing sound output for long, narrow rooms or corridors.

Vibratone horns are UL and cUL Listed, CSA Certified and FM Approved. They are designed and approved for use in Type 4X applications when installed with the Panel Mount Gasket Kit or Weatherproof Backbox (Model WB). They are approved for Type 4X and Type 12 applications when installed with the Surface Mount Trim Ring (Model TR, illustrated on page 124).

Each Vibratone horn is enclosed in a zinc die-cast housing and sealed with grey powder-coat paint. The Model 350 features a stainless steel diaphragm. The Model 450 utilizes an aluminum diaphragm and heavy duty contacts. The rugged construction of the Vibratone horns resists vandalism and the effects of harsh industrial environments.

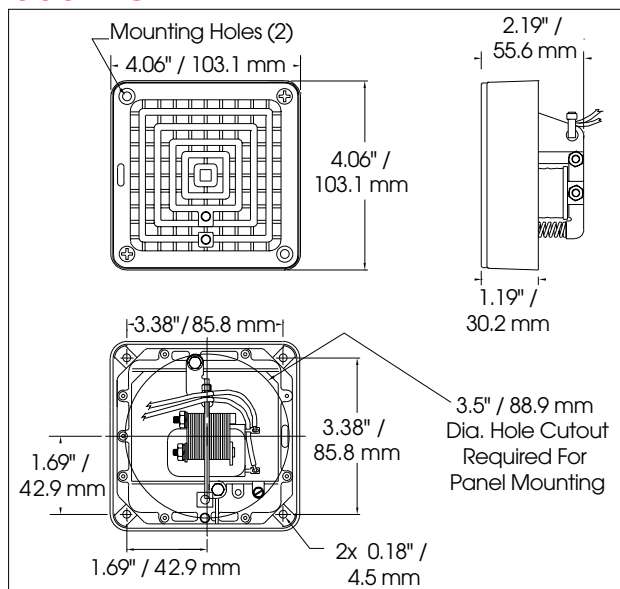
Compact size, loud output and heavy-duty construction make the Vibratone horns ideal for industrial and institutional signaling applications.

Model	Voltage	Operating Current	Decibels @	
			10'	1m
350-012-30	12VAC 50/60Hz	0.90 amps	94	104
350-024-30	24VAC 50/60Hz	0.90 amps	100	110
350-120-30	120VAC 50/60Hz	0.18 amps	100	110
350-240-30	240VAC 50/60Hz	0.09 amps	100	110
450-012-30	12VDC	0.13 amps	93	103
450-012-31	12VDC	0.50 amps	99	109
450-024-31	24VDC	0.25 amps	99	109
450-125-30	125VDC	0.05 amps	99	109
450-250-30	250VDC	0.03 amps	99	109

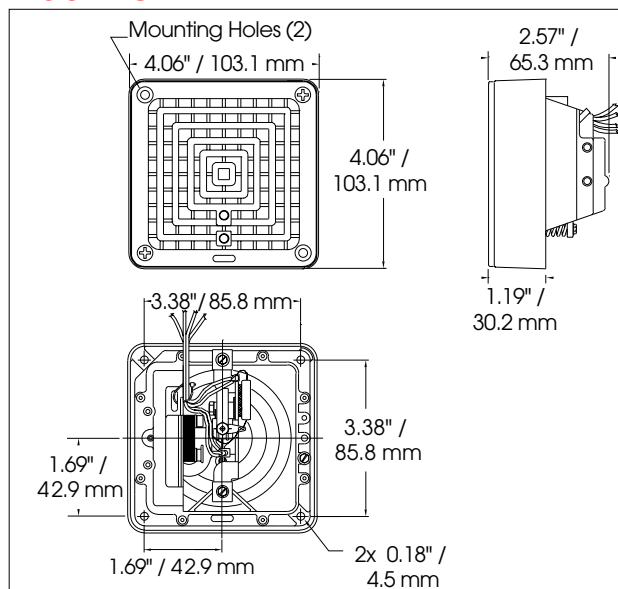


VIBRATONE® HORNS (350/450)

350 HORN



450 HORN



SPECIFICATIONS

Operating Temperature:	-65°F to 150°F	-54°C to 66°C
Net Weight:	1.4 lbs.	0.6 kg
Shipping Weight:	1.5 lbs.	0.7 kg
Height:	4.0"	102.0 mm
Width:	4.0"	102.0 mm
Depth:	2.5"	64.0 mm

HOW TO ORDER

- Specify model and voltage
- Specify accessories from list
- Please refer to Model Number Index 350/450 beginning on page 374

ACCESSORIES

FB	Wall box for flush mounting the Vibratone® horn in stud, 4" block, or other shallow wall construction; 4 ³ / ₈ " square box; 2 ⁷ / ₈ " deep; shipping weight 2 lbs. (0.91 kg)
FBL	Same as FB, but 3 ¹³ / ₁₆ " deep for 6" x 8" concrete block, cinder block or other deep wall construction; shipping wt. 3 lbs. (1.36 kg)
FG	Flush grille which attaches to the basic unit and serves as the cover of the plastered-in FB flush box; 6" H x 6" W x 1 ¹ / ₈ " D; shipping wt. 1 lb. (0.45 kg)
K8435666A	Optional Panel Mounting Gasket Kit includes a gasket and hardware for surface or flush mounting the horn for NEMA Type 4X applications.
PR	Projector which concentrates sound into a basic area when attached to the basic model 350/450 units; 4" H x 4" W x 6" D; shipping weight 1 lb. (0.45 kg)
PR2	Double projector directs sounds to both sides when attached to the basic model 350/450 units; ideal for use in hallways; 4" H x 11 ¹ / ₂ " W x 4" D; shipping weight 2 lbs. (0.91 kg)
SF	Stamped surface plate used for installations on plastered-in 4" outlet switch boxes for semi-flush mountings; 6" H x 6" W x 1 ¹ / ₂ " D; shipping weight 1 lb. (0.45 kg)
TR	Gasketed trim ring allowing surface mount installations of 350/450 units while maintaining Type12 and Type 4X rating of enclosure.
WB	Cast aluminum neoprene-gasketed weatherproof housing for outside use, complete with mounting lugs; tapped for 1 ¹ / ₂ ", 3 ³ / ₄ " conduit; 4 ³ / ₈ " square box; 2" deep mounting lugs on 4 ¹ / ₂ " centers; shipping weight 1 lb. (0.45 kg)

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>
Panel Mount Gasket Kit	K8435666A
Coil (120VAC only)	KFC1516C
Volume Control Kit (350 Horn only)	K8435663B
Gasket for WB	K8435696A



DESIGNED FOR GENERAL ALARM OR PAGING

- Vibrating mechanism
- Three gong sizes – four, six, or ten-inch
- A range of output available – 98-102dBa @ 10' (108-112dBa @ 1m)
- Optional weatherproof backbox provides Type 3R enclosure
- UL and cUL Listed, CSA Certified and FM Approved

Vibratone® Bells

Models A4, A6 and A10
Models 500 and 600

Federal Signal's Vibratone® heavy duty bell product line utilizes a modular approach to combine gongs and mechanisms allowing for greater flexibility and selection. Three gong sizes are available: the Model A4 is four inches in diameter, the Model A6 is six inches in diameter, and the Model A10 is ten inches in diameter. Each larger gong produces a different tone and a higher dBa output.

Vibrating bells produce a continuous ringing sound when voltage is applied. The Models 500 and 600 vibrating mechanisms are designed for AC and DC operation, respectively.

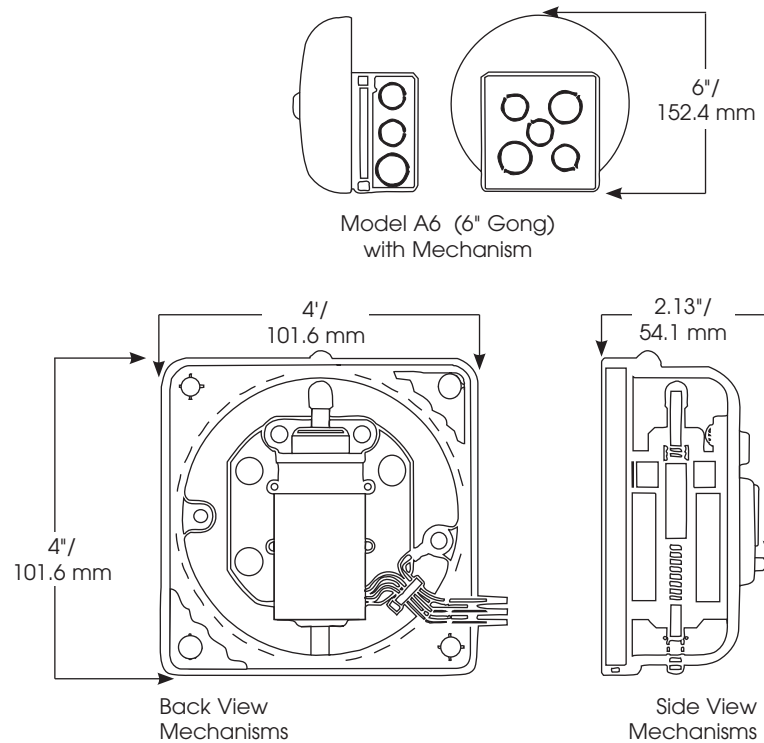
The Models 500 and 600 are UL and cUL Listed, CSA Certified and FM Approved.

Federal Signal's Vibratone bells can be used in any industrial application, whether to signal danger or for start and dismissal. A variety of mounting accessories will accommodate almost any environment.

Model	Voltage	Operating Current	Decibels @ 10'	Decibels @ 1m
BELLS				
A4	—	—	98	108
A6	—	—	100	110
A10	—	—	102	112
VIBRATING MECHANISMS				
500-024-1	24VAC	0.4 amps	—	—
500-120-1	120VAC	0.08 amps	—	—
500-240-1	240VAC	0.04 amps	—	—
600-012-1	12VDC	0.8 amps	—	—
600-024-1	24VDC	0.4 amps	—	—
600-125-1	125VDC	0.08 amps	—	—
600-250-1	250VDC	0.03 amps	—	—



VIBRATONE® BELLS (A4/A6/A10/500/600)



SPECIFICATIONS

Model	Net Weight	Shipping Weight	Height	Width	Depth
500	1.0 lb. 0.45 kg	1.1 lb. 0.4 kg	4.0" 101.6 mm	4.0" 101.6 mm	2.125" 54.0 mm
600	1.0 lb. 0.45 kg	1.1 lb. 0.4 kg	4.0" 101.6 mm	4.0" 101.6 mm	2.125" 54.0 mm
A4	0.5 lb. 0.23 kg	0.7 lb. 0.32 kg	4.0" 101.6 mm	4.0" 101.6 mm	1.25" 31.8 mm
A6	1.0 lb. 0.45 kg	1.2 lb. 0.54 kg	6.0" 152.4 mm	6.0" 152.4 mm	1.75" 44.5 mm
A10	3.5 lbs. 1.59 kg	4.0 lbs. 1.8 kg	10.0" 254.0 mm	10.0" 254.0 mm	2.25" 57.2 mm

HOW TO ORDER

- Specify mechanism model and voltage, and gong model*
- Specify accessories from list
- Please refer to Model Number Index A4/A6/A10/500/600 beginning on page 374

* Each gong sold separately

ACCESSORIES

FB	Deep back box for flush mounting A4 gong with any mechanism
FBL	Extra deep back box for flush mounting A4 gong with any mechanism
FG	Grille for flush mounting A4 gong and any mechanism in FB back box
SF	Surface mounting plate for plastered-in 4" boxes
WB	Weatherproof back box



DESIGNED FOR INDOOR AND
OUTDOOR USE

- Solid-state circuitry
- Available in 24VAC/24VDC, 120VAC and 230/240VAC
- Built-in gain control
- Produces 64dB to 88dB @ 10' (74dB to 98dB @ 1m)
- UL Listed, CSA Approved, CSFM Approved (California State Fire Marshal)
- Flush or surface mount
- NEMA 3R, IP55 enclosure

SelecTone® Audible
Signaling Device

Model 50GC

The Federal Signal Model 50GC SelecTone® speaker/amplifier is capable of reproducing crisp, clear tones and highly intelligible voice messages. The UL (Underwriters Laboratories) listed and CSA (Canadian Standards Association) approved, flame retardant, thermoplastic housing provides excellent durability.

When used with Federal Signal Model WB (weatherproof back box), the Model 50GC is NEMA 3R rated for outdoor applications.

A short, folded re-entrant horn is interposed between the diaphragm and surrounding air space for greater efficiency and frequency response. Units are available in beige.

The Model 50GC operates on 24VAC/DC or 120 and 240VAC power, and can be used as a stand-alone audible device by plugging in a Federal Signal tone module. It can also be used in a system with SelecTone Command Units, including 300MB, 300MC, 300VSC-1, 300SCW-1 or 300SSC.

Reliable, solid state circuitry ensures a long continuous operating life. Either flush or surface mount installation is possible. The internal gain control allows tone output adjustment from 64dB to a maximum of 88dB @ 10' (74dB to 98dB @ 1m).

The compact size and attractive appearance of the Model 50GC make it ideal for use in offices, hallways, plant areas, or anywhere ambient noise levels are not exceedingly high, or where even sound dispersal is desired. Emergency signaling or paging are common applications.

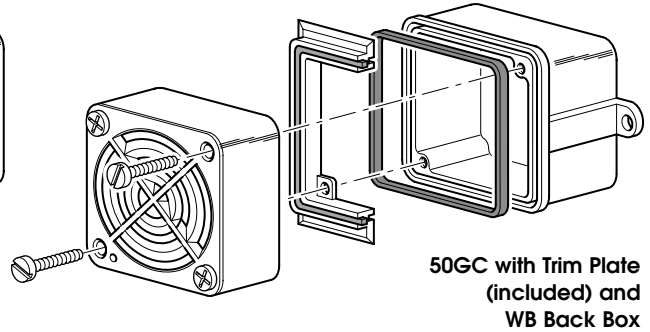
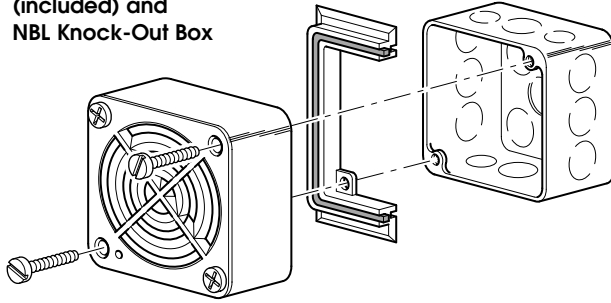
Model	Voltage	Operating Current	Sys. Standby Current	Decibels @	
				10'	1m
50GC	24VDC	0.07 amps	0.025 amps	88	98
50GC	24VAC 50/60Hz	0.22 amps	0.095 amps	88	98
50GC	120VAC 50/60Hz	0.04 amps	0.027 amps	88	98
50GC	230/240VAC 50/60Hz	0.02 amps	0.013 amps	88	98



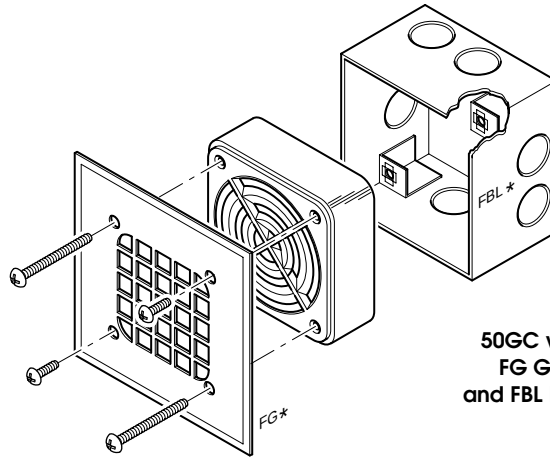
SELECTONE® AUDIBLE SIGNALING DEVICE (50GC)

MOUNTING OPTIONS

50GC with Trim Plate
(included) and
NBL Knock-Out Box



50GC with Trim Plate
(included) and
WB Back Box



50GC with
FG Grille
and FBL Box

SPECIFICATIONS

Operating Temperature:	-31° F to 161° F	-35° C to 71.7° C
Net Weight:	1.7 lbs.	0.8 kg
Shipping Weight:	2.2 lbs.	1.0 kg
Height:	4.50"	114 mm
Width:	4.50"	114 mm
Depth:	3.44"	87 mm

RATINGS

- UL Listed and CSA Approved
- NEMA Type 3R when used with WB back box
- Constructed to IP55
- CSFM

HOW TO ORDER

- Specify model and voltage
- Tone module for stand alone applications purchased separately (UTM, TM33)
- Connector kit for system applications (300CK or 300CKS)
- Optional items:
Knock-out Back Box (NBL)
Weatherproof Back Box (WB)
Grille (FG)