



# Vibratone® Electronic Horn

## Model 450E

### DESIGNED FOR ROUTINE SIGNALING AND FIRE ALARM USE

- Range of up to 200 feet
- Coded or sustained tones
- No duty cycle or interval limitations
- Fire Regulated 16-33VDC  
General Purpose Signal 12-24VDC
- 99dBA at 10' on axis
- Four wire terminal block and  
supervisory diode
- Type 4X when installed with Panel  
Mount Gasket (included) or optional  
Weatherproof Backbox (Model WB)
- Marine Rated
- UL, cUL and ULC Listed
- CSFM Listed

Model 450E electronic horn offers a patent pending electronics design that produces a very loud, clear and distinctive electronic tone. This model is capable of producing sustained tones or coded blasts through push button or PLC control devices without duty cycle or interval limitations. The 450E is ideal for general alarm, start and dismissal, coded paging, and process control signaling in areas of high ambient noise levels. Additionally, the 4-wire terminal block and supervisory diode design also makes this unit ideal for Fire Alarm Applications.

Model 450E produces 99dBA @ 10' on axis and 90dBA @ 10' per the UL 464 reverberation test when supplied with a 24VDC input voltage. It produces 94dBA @ 10' on axis when supplied with a 12VDC input voltage. It has no detectable RF emissions in a 30 MHz to 1000 MHz frequency range which minimizes the potential for interference with nearby electrical devices.

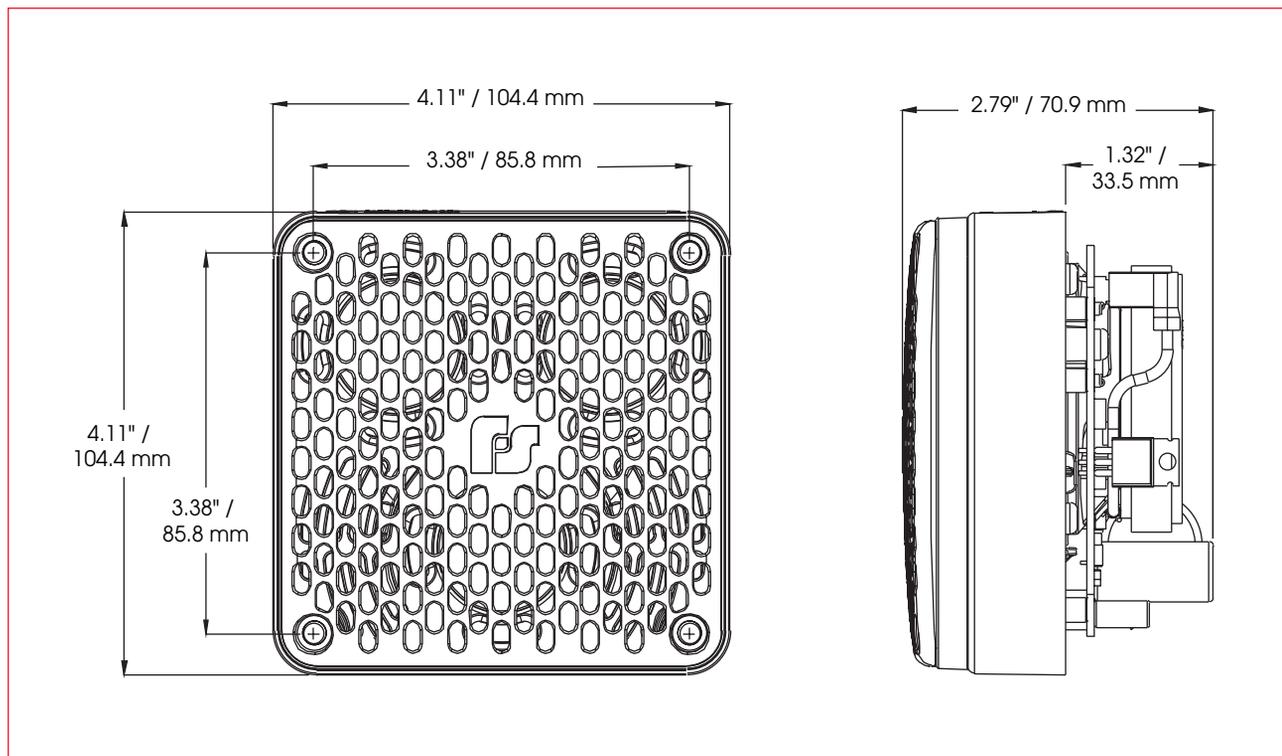
The horn's non-metallic, polycarbonate light grey (RAL 7035) housing and polymeric speaker cone material are corrosion resistant and weatherproof for improved durability in harsh industrial environments. Surface or flush mounting options allow for installation on walls, panels, 4-inch square outlet boxes, cabinets, or deep concrete wall constructions. A Double Projector accessory (Model PR2) mounted on the front of the unit directs side sound output, optimizing signaling for long, narrow rooms or corridors.

The 450E is UL, cUL and ULC Listed and is approved for Marine and other Type 4X applications when installed with a Panel Mount Gasket (included) or the Weatherproof Backbox accessory (Model WB).

Model	Operating Voltage	Operating Current	Decibels per UL 464		Decibels on Axis	
			10'	1m	10'	1m
450E-024	Fire Regulated 16-33VDC	0.25 amps	90	109	99	109
	General Purpose Signal 24VDC	0.22 amps	N/A	N/A	99	109
	General Purpose Signal 12VDC	0.12 amps	N/A	N/A	94	104



## VIBRATONE® ELECTRONIC HORN (450E)



### SPECIFICATIONS

Operating Temperature:	-65°F to 150°F	-54°C to 66°C
Housing	Non-metallic Polycarbonate Light Grey (RAL 7035)	
Net Weight:	1.0 lbs.	0.45 kg
Shipping Weight:	1.3 lbs.	0.59 kg
Height:	4.11"	104.4 mm
Width:	4.11"	104.4 mm
Depth:	2.79"	70.9 mm

### HOW TO ORDER

- Specify model 450E-024
- Specify accessories from list

450E shown with included panel mount gasket



### 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 1/8" D; shipping wt. 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 1-1/2" W x 4" D; shipping weight 2 lbs. (0,91 kg)
- WB** Cast aluminum neoprene-gasketed weatherproof housing for outside use, complete with mounting lugs; tapped for 1/2", 3/4" conduit; 4-3/8" square box; 2" deep mounting lugs on 4-1/2" centers; shipping weight 1 lb. (0.45 kg)

**Authorized Distributor:**  
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