

February 8, 2016

Introducing a New Innovation in Signaling Devices: the Federal Signal eHorn

New Product Release! The NEW [eHorn](#) is a general purpose audible signaling device that utilizes a proprietary microprocessor based, tone generator and re-entrant horn technology to replicate the rich, full tones of our Model 52, 55 and 56 electromechanical horns.

With two onboard field selectable tones and three field selectable output volume levels, the new eHorn offers increased flexibility in a single device. The UV stable, corrosion resistant glass reinforced polycarbonate housing, with Type 4X and IP66 ratings, is ideal for a wide variety of environmental conditions. The unit can be surface mounted via a direct mount configuration utilizing the rear panel, or indirectly with the standard stainless steel brackets. An optional stainless steel U-bracket provides directional flexibility when mounting.

The eHorn is available in 24VDC or a multi-voltage 120-240VAC. It is designed with a SPL (Sound Pressure Level) ranging from 100 to 116dBa at 10 feet, depending on the operating voltage and the tone selected. Superior to traditional piezo sounders, the microprocessor is capable of producing higher quality full tones. With no moving parts to wear or break, the new eHorn has no required duty cycle expanding its usefulness. *See charts below.*



24VDC Model

52 Horn Tone					55 / 56 Horn Tone				
LEVEL	WIRE 1	WIRE 2	SPL (dBA @ 10 ft)	DC Current (A)	LEVEL	WIRE 1	WIRE 2	SPL (dBA @ 10 ft)	DC Current (A)
High	P1	P4	116	3.0	High	P1	P5	117	3.3
Med	P1	P3	109	1.0	Med	P1	P3	106	0.5
Low	P2	P3	100	0.4	Low	P2	P3	96	0.24

120VAC & 240VAC Model

52 Horn Tone						55/56 Horn Tone					
LEVEL	TAPS		SPL (dBA @ 10 ft)	AC Current (A)		LEVEL	TAPS		SPL (dBA @ 10 ft)	AC Current (A)	
	WIRE 1	WIRE 2		120 Vac	240 Vac		WIRE 1	WIRE 2		120 Vac	240 Vac
High	P1	P4	114	0.78	0.40	High	P3	P5	116	0.76	0.41
Med	P1	P3	111	0.35	0.16	Med	P1	P3	107	0.16	0.08
Low	P2	P3	101	0.15	0.08	Low	P2	P3	98	0.10	0.06

If you have any questions regarding this product, contact Gary Huppert at ghuppert@fedsig.com. For additional product information, sound files, or the instruction manual visit <http://www.federal-signal-indust.com/product/ehorn>.