

PRODUCT PROFILE

Bulletin 855H Industrial Electronic Horns

Improving Indication Loud and Clear

Advantages Over Electromechanical Horns

- Three tones are available in the GP Electronic Horn range and forty-five in the High-Performance Horn range to better differentiate from ambient noise
- Stepless volume control via potentiometer is used rather than mechanical screw to accommodate fluctuating ambient noise
- No need to upsize power supply due to lower current consumption, approximately half to one tenth of electromechanical horn consumption
- No back EMF at switch off

Suitable for Humid, Dirty, and Corrosive Environments

- GP Electronic Horn rated UL Type 4/4X/13, IP66 (surface mount) or 3R/13, IP54 (semi-flush mount)
- High-Performance Electronic Horns rated UL Type 3R/13, IP56

Durability

- Housings made out of heat and shock resistant, corrosion-free, UV-stable plastics suitable for harsh environments and outdoor applications
- cULus Listed and CE Certified

Electronic horns outlive their electromechanical equivalents due to non-moving parts and highly reliable electronic designs. Reliability prediction methods suggest the life of an electronic horn to be in excess of 2 million hours, while electromechanical horns last approximately 500 hours due to high mechanical stress on the various moving parts including the diaphragm.



General Purpose Electronic Horns

Rockwell Automation celebrates the utmost achievements in the evolution of industrial audio design by introducing a new line of General Purpose Electronic Horns. This new line produces a sound output of 108 dB (A) maximum, which is suitable for most mid-range industrial and institutional, single-status signaling applications. Each device provides multi-tone and volume control capabilities. Offered in two mounting versions, the GP Electronic Horns directly retrofit into most machine panel cutouts or 4" electrical backboxes where traditional electromechanical horns are mounted. Electronic horns bring significant advantages over dated electromechanical horns (see gray box).

High-Performance Electronic Horns

Multiple Stages/Circuits and Tone Sets – Electronic Horns have three times the functionality by producing up to three differentiated tones for specific signal requirements, such as a machine start up, material shortage, or fault condition. Up to forty-five user selectable tone sets are available, allowing you to choose the optimal frequency sweep or whoop to contrast to the environmental noise. These multi-stage/circuit and multi-tone capabilities reduce initial and installation costs when more than one signal is required.

Combined Visual and Aural Signals – The High-Performance range of electronic horns can be purchased with an attached xenon strobe beacon available in 6 lens colors. The strobe function is rated at 5 Joules, which is suitable for outdoor applications.

Tone Synchronization – The dual point terminal blocks allow easy daisy-chain connections. All electronic horns, including the general purpose range, can be synchronized together.

Adjustable Volume – All electronic horns, including the general purpose range, offer volume adjustment. This feature protects your investment as the ambient noise level of your environment changes.

Continuous Duty Rated – This surpasses the capability of most electromechanical horns, which are rated at fifty percent duty.

Product Selection

General Purpose Electronic Horns

855H – SG 10 GPA
a *b* *c*

a

Mounting Type	
Code	Description
FG	Semi-flush wall plate, grey housing
SG	Surface base with two conduit entrances, grey housing

b

Voltage	
Code	Description
24	24V AC/DC
10	120V AC
20	240V AC

c

Horn Type	
Code	Description
GPA	General Purpose, 108 dB(A) max., Single stage/circuit, Three tones

High-Performance Electronic Horns

855H – B D30 B D
a *b* *c* *d*

a

Product Type	
Code	Description
B	Industrial Horn, Grey Housing

b

Voltage	
Code	Description
D30	10...30V DC
A10	115V AC 50/60 Hz
A20	230V AC 50/60 Hz

c

Horn Type	
Code	Description
A	100 dB, 10 Tone, 2-Stage (DC)
	100 dB, 10 Tone, 1-Stage (AC)
B	104 dB, 32 Tone, 3-Stage (DC)
	104 dB, 32 Tone, 3-Stage (AC)
C	112 dB, 32 Tone, 3-Stage (DC)
	112 dB, 32 Tone, 3-Stage (AC)
D	119 dB, 45 Tone, 3-Stage (DC)
	119 dB, 45 Tone, 3-Stage (AC)
E	126 dB, 45 Tone, 3-Stage (DC)
	126 dB, 45 Tone, 3-Stage (AC)

d

Mount Option	
Code	Description
D	Standard base for surface or on-the-wall mounting with conduit openings and hole plugs

High-Performance Electronic Horns with Attached Xenon Strobe Beacon

855H – BC D12 E D R 3
a *b* *c* *d* *e* *f*

a

Product Type	
Code	Description
BC	Electronic Horn with Xenon Strobe Beacon, Gray Housing

b

Voltage	
Code	Description
D12	12V DC
D24	24V DC
A10	115V AC 50/60 Hz
A20	230V AC 50/60 Hz

c

Horn Type	
Code	Description
A	100 dB, 10 Tone, 2-Stage (DC)
	100 dB, 10 Tone, 1-Stage (AC)
B	104 dB, 32 Tone, 3-Stage (DC)
	104 dB, 32 Tone, 3-Stage (AC)
C	112 dB, 32 Tone, 3-Stage (DC)
	112 dB, 32 Tone, 3-Stage (AC)
D	119 dB, 45 Tone, 3-Stage (DC)
	119 dB, 45 Tone, 3-Stage (AC)
E	126 dB, 45 Tone, 3-Stage (DC)
	126 dB, 45 Tone, 3-Stage (AC)

e

Illuminated Function	
Code	Description
R	5 Joule Xenon Strobe

f

Lens Color	
Code	Description
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

d

Mount Option	
Code	Description
D	Standard base for surface or on-the-wall mounting with conduit openings and hole plugs

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