

Horns Vibrating 870 Series



The 870 Series panel mount vibrating horns are low current, high decibel for heavy-duty use. They come complete with gasket and are UL listed to NEMA 4X, NEMA 12 and NEMA 12K enclosure requirements.

Designed for semi-flush panel mounting, using supplied mounting template, or installation on a 4" square box. For NEMA 4X installation, mount to a NEMA 4X enclosure using the supplied gasket.

Features and Specifications

- Corrosion resistant finish
- Volume adjustable
- Completely assembled
- Heavy duty die-cast housing
- NEMA Type 4X, NEMA Type 12 and Type 12K Rated
- Operating range: -20% to +10% of nominal voltage

870P AC

- Adjustable output: 88 to 113dB @ 1m (78 to 103dB @ 10ft.)

871P DC

- Adjustable output: 88 to 101dB @ 1m (78 to 91dB @ 10ft.)

Ordering Information

| Description | Cat. No. | Operating Voltage ² | Current | VA | dB at 1m/10ft. ¹ | DC Coil Res (Ohms) |
|-----------------|----------|--------------------------------|---------|------|-----------------------------|--------------------|
| Panel Mount, AC | 870P-E5 | 12V AC | 1.25 A | 15.0 | 113/103 | 1.5 |
| | 870P-G5 | 24V AC | 0.63 A | 15.1 | 113/103 | 5.2 |
| | 870P-N5 | 120V AC | 0.13 A | 15.6 | 113/103 | 150 |
| | 870P-R5 | 240V AC | 0.07 A | 16.8 | 113/103 | 580 |
| Panel Mount, DC | 871P-C1 | 6V DC | 0.7 A | 4.2 | 101/91 | 1.4 |
| | 871P-E1 | 12V DC | 0.27 A | 3.2 | 101/91 | 6 |
| | 871P-G1 | 24V DC | 0.16 A | 3.8 | 101/91 | 24 |
| | 871P-J1 | 32V DC | 0.11 A | 3.52 | 101/91 | 40 |
| | 871P-P1 | 125V DC | 0.025 A | 3.1 | 101/91 | 600 |
| | 871P-S1 | 250V DC | 0.014 A | 3.5 | 101/91 | 2640 |

¹dB rating measured in anechoic chamber.

²AC voltage frequency is 50/60 Hz.

Accessories

| Description | Cat. No. |
|-------------------|----------|
| Plastic Projector | 872-PO |

Signal Input Load Characteristics

These devices may be operated by PLCs with output characteristics that match the input load requirements of the signal.

| Cat. No. | Operating Voltage | Max. Off State Leakage Current (A) | Continuous On Current (A) | Surge (Inrush/Duration) Amps/Seconds |
|----------|-------------------|------------------------------------|---------------------------|--------------------------------------|
| 870P-N5 | 120V AC | 0.025 | 0.120 | 1.02/0.00026 |
| 871P-G1 | 24V DC | 0.025 | 0.150 | 1.7/0.00042 |



Horns

Vibrating

870 Series

Weights and Dimensions

| Cat. No. | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) |
|----------|--------------------------|-------------------------------|
| 870P-E5 | 1.80 | 2.05 |
| 870P-G5 | 1.80 | 2.05 |
| 870P-N5 | 1.80 | 2.05 |
| 870P-R5 | 1.80 | 2.05 |
| 871P-C1 | 1.80 | 2.05 |
| 871P-E1 | 1.80 | 2.05 |
| 871P-G1 | 1.80 | 2.05 |
| 871P-J1 | 1.80 | 2.05 |
| 871P-P1 | 1.80 | 2.05 |
| 871P-S1 | 1.80 | 2.05 |
| 872-PO | 0.34 | 0.58 |

