

INSTALLATION INSTRUCTIONS: LH-series Horn

- MOUNTING:**
1. Loosen the wing nut and remove the tapered screw.
 2. Mount the bracket in the selected location using screws, bolts or steel banding.
 3. Remount the horn to the swivel bracket with the tapered bolt and wing nut.
 4. Aim the horn in the direction desired and hand-tighten the wing nut. The swivel bracket allows 360° rotation and 160° vertical adjustment.

- WIRING:**
1. Remove the clear plastic cover from the connection screws.
 2. Strip wire insulation approximately 3/8".
 3. Wrap wire clockwise around loosened screws and retighten. Be sure to observe polarity (connect “-” to terminal A and “+” to terminal B).
 4. Strain relieve the wire by laying 2-conductor wire (“zip-cord”) in the narrow recess or jacketed cable in the wide recess.

- TRANSFORMER TAP SELECTION:**
1. Adjust the rotary switch with a screwdriver until the end of the slot points to the desired number. Refer to the charts below (or the label on the rear of the horn) for switch position/wattage tap information.
 2. Replace plastic cover.

LOW FREQUENCY PROTECTION:

The LH-15T and LH30-T paging horns are not designed to operate below 300 Hz. Head-end processing equipment should include a 300 Hz high-pass filter with a roll-off of 6dB per octave to limit the low frequency input to the horns. If head-end processing is not available, an alternate method of providing low frequency protection for the horn drivers is to insert one non-polarized series capacitor at the high side input (terminal B) of each horn. See the table below for typical protection capacitor values.

Horn Model No.	25 Volt Line	70 Volt Line	100 Volt Line
LH-15T	15 mfd	2 mfd	1 mfd
LH-30T	30 mfd	4 mfd	2 mfd

SETTINGS: **CAUTION:** Never use settings indicated as “DO NOT USE.” Severe damage to the horn’s voice coil and diaphragm, as well as the amplifier, could result and product warranties could be voided.

Horn Model No.: LH-15T					Horn Model No.: LH-30T				
Switch Position	Impedance	Watts @ 25V	Watts @ 70V	Watts @100V	Switch Position	Impedance	Watts @ 25V	Watts @ 70V	Watts @100V
1	5000	.13	1	2	1	2500	.25	2	4
2	2500	.25	2	4	2	1300	.48	3.8	7.7
3	1300	.48	3.8	7.7	3	666	.94	7.5	15
4	666	.94	7.5	15	4	333	1.9	15	30
5	333	1.9	15	DO NOT USE	5	167	3.7	30	DO NOT USE
6	89	7.5	DO NOT USE	DO NOT USE	6	89	7.5	DO NOT USE	DO NOT USE
7	45	15	DO NOT USE	DO NOT USE	7	45	15	DO NOT USE	DO NOT USE
8	OFF	OFF	OFF	OFF	8	OFF	OFF	OFF	OFF