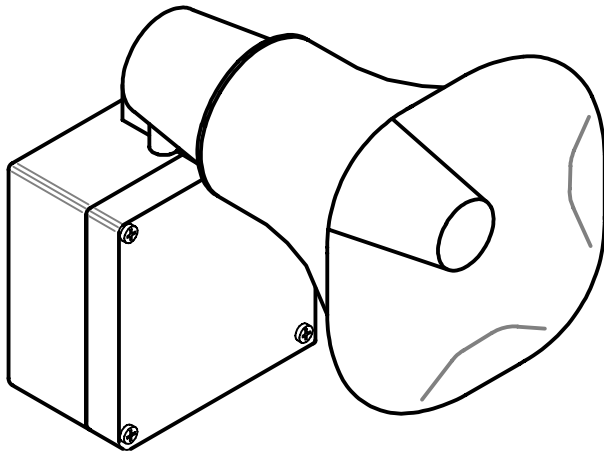


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COYOTE SERIES AUDIBLE SIGNAL DEVICE

CL30SAC, 115/220 VOLTS AC, 30W SPEAKER



SPECIFICATIONS

Voltage:	115/220 VAC, 50/60 Hz
Standby Current:	.04 Amps, typical
Active Current:	.43 Amps, typical
Weight:	10 lbs. (4.5 kg)

Description

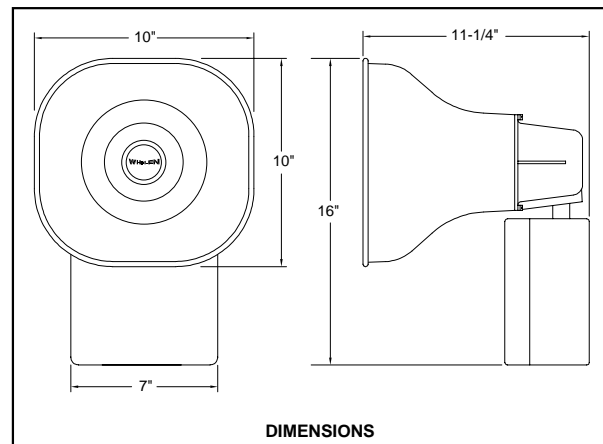
The COYOTE™ Series of alerting devices are ideally suited for industrial applications where high quality, high output audible warning is required.

The COYOTE™ **Audible Signal Device**, Model CL30SAC, features 19 different selections, including two optional field programmed Digital Voice messages. In addition, the COYOTE™ **Audible Signal Device** can interface with an existing Paging system, to further enhance in plant warning capabilities.

The unit is easy to install and easy to configure. Four different tones may be selected through simple switch settings. Activation is as simple as supplying a contact closure to a pair of input terminals. The output level is adjusted by setting a potentiometer from a very low test level to a full 30 watts out.

Installation

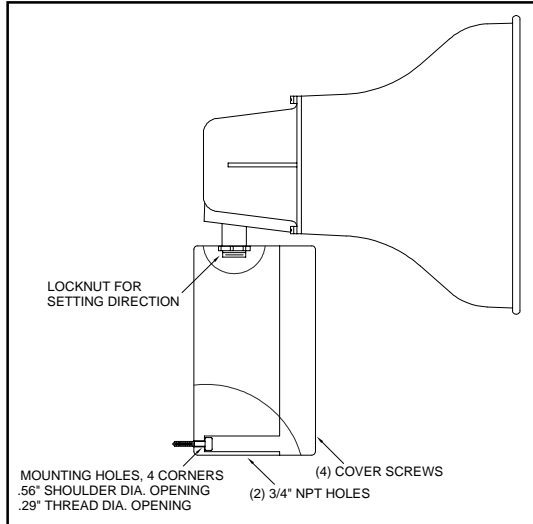
An **Audible Signal Device** does not require any special tools or training to install and operate, however, it must be installed and tested in accordance with all local electrical codes and regulations.



Select a location that is free of obstructions in order to achieve full audible output. This also allows for any necessary positioning of the speaker.

The **Audible Signal Device** is typically wall mounted. The speaker may be rotated to the left or right to direct the sound output. An optional wall bracket is available which allows the unit to pivot down for additional sound control.

1. Remove four cover screws and remove the cover.
2. Mount the unit to the mounting surface using four appropriate screws (not supplied). Set the speaker angle, left or right, by loosening the internal Locknut, rotating the speaker and locking the Locknut.



3. Route the AC wiring through righthand 3/4" NPT hole, in the bottom of the unit. Route the control and paging wires through the lefthand 3/4" NPT hole. (Cable clamps are not supplied).
4. Use wire nuts to connect the AC service. The BLACK wire is Hot, the WHITE wire is Neutral. Connect the service ground to the large brass screw near the knockouts.
5. Connect a Normally Open contact closure between the desired tone and one of the RTN terminals. If all

four tones are in use, more than one wire may be installed in each RTN terminal. **Connecting the same closure to more than one COYOTE™ may introduce an undesirable ground loop condition.** Separate switch closures or poles are recommended.

6. Select the tone by setting the rotary switch that corresponds to the Input Terminals. For example, the leftmost Tone Selection Switch (marked Input 1 on the drawing below) corresponds to the leftmost Input Terminal (marked 1 below.). The tones are described in the Table. Note that the tone selection number may vary from switch to switch.

7. Set the **Input 1 Timing Jumper**. If the jumper is installed, Tone 1 will time out after 3 minutes, with jumper 1 removed, Tone 1 will follow the contact closure at Input Terminal 1. Tones 2, 3 and 4 always follow their respective closures.

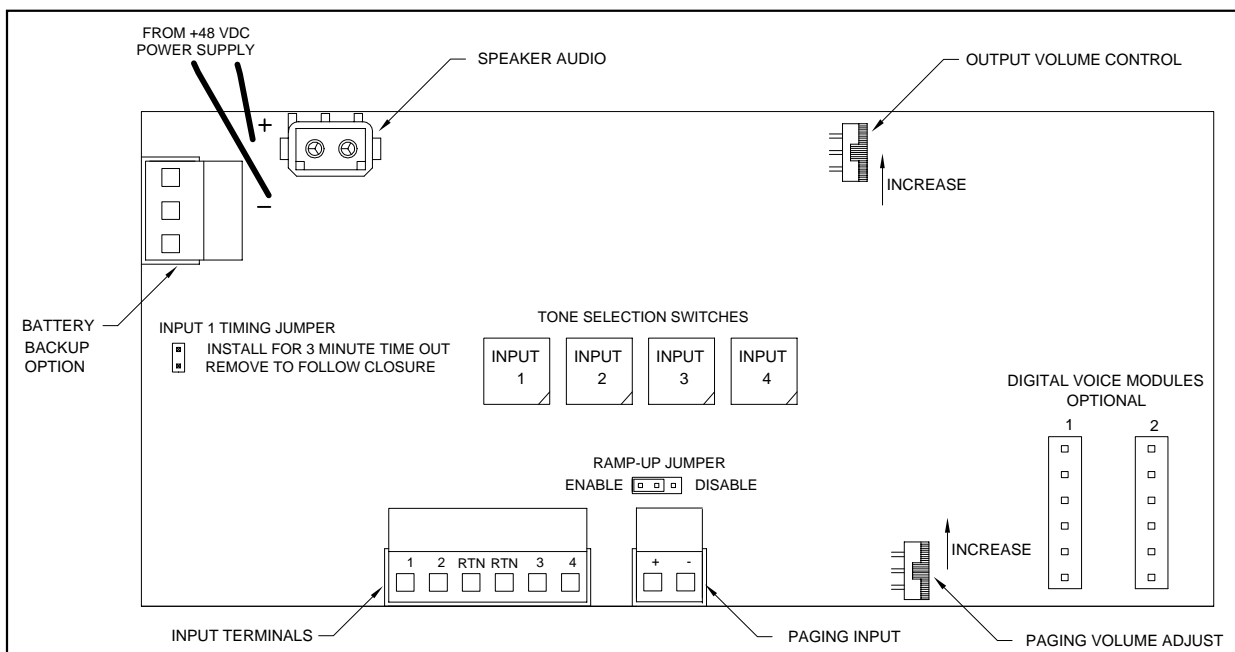
8. Most tones (see Table) include a 10 second Ramp Up period, to full output power. The **Ramp Up Jumper** enables or disables this feature for all tones.

CAUTION:
HEARING PROTECTION IS RECOMMENDED DURING STEPS 9, 10 AND 11.

9. Set the **Output Volume** to a low setting. Apply power. Set the **Output Volume** by adjusting the potentiometer. There may be a loud "pop" on power up.

10. Connect the **Paging Input** if used. Set the **Paging Volume** by adjusting the potentiometer. This setting should be made after the **Output Volume** is set.

11. Install the cover and test the set up.



TONE SELECTION TABLE

INPUT #1 TONE SELECTED BY SWITCH SETTING SW1	INPUT #2 TONE SELECTED BY SWITCH SETTING SW2	INPUT #3 TONE SELECTED BY SWITCH SETTING SW3	INPUT #4 TONE SELECTED BY SWITCH SETTING SW4
SW1-0 = WAIL SW1-1 = YELP SW1-2 = HI-LO SW1-3 = BELL SW1-4 = YEOW SW1-5 = HORN SW1-6 = BEEP SW1-7 = STUTTER SW1-8 = BING-BONG SW1-9 = NFPA WHOOP SW1-A = WESTMINSTER SW1-B = AIR HORN SW1-C = THREE TONE SW1-D = HI-LO TYPE-2 SW1-E = WARBLE SW1-F = DIGITAL VOICE #1	SW2-0 = WAIL SW2-1 = YELP SW2-2 = HI-LO SW2-3 = BELL SW2-4 = YEOW SW2-5 = HORN SW2-6 = BEEP SW2-7 = STUTTER SW2-8 = BING-BONG SW2-9 = NFPA WHOOP SW2-A = WESTMINSTER SW2-B = AIR HORN SW2-C = THREE TONE SW2-D = HI-LO TYPE-2 SW2-E = WARBLE SW2-F = DIGITAL VOICE #2	SW3-0 = HI-LO SW3-1 = BELL SW3-2 = YEOW SW3-3 = HORN SW3-4 = BEEP SW3-5 = STUTTER SW3-6 = BING-BONG SW3-7 = NFPA WHOOP SW3-8 = WESTMINSTER SW3-9 = AIR HORN SW3-A = THREE TONE SW3-B = HI-LO TYPE-2 SW3-C = WARBLE SW3-D = DIGITAL VOICE #1 SW3-E = DIGITAL VOICE #2 SW3-F = CANCEL	SW4-0 = BELL SW4-1 = YEOW SW4-2 = HORN SW4-3 = BEEP SW4-4 = STUTTER SW4-5 = BING-BONG SW4-6 = NFPA WHOOP SW4-7 = WESTMINSTER SW4-8 = AIR HORN SW4-9 = THREE TONE SW4-A = HI-LO TYPE-2 SW4-B = WARBLE SW4-C = DIGITAL VOICE #1 SW4-D = DIGITAL VOICE #2 SW4-E = CANCEL SW4-F = PULSED AIR HORN

TONE DESCRIPTIONS

WAIL	560-1050 Hz, up and down sweep, 11 sweeps per minute
YELP	560-1050 Hz, up and down sweep, 200 sweeps per minute
HI-LO	560 Hz and 760 Hz, alternating, 1 second per cycle
BELL	800 Hz, percussive strike, damping to zero level, no Ramp Up
YEOW	1295-560Hz, descending sweep, 36 sweeps per minute
HORN	470 Hz, steady tone
BEEP	470 Hz, slow intermittent, 75 cycles per minute
STUTTER	470 Hz, fast intermittent, 300 cycles per minute
BING-BONG	880 Hz and 690 Hz, percussive, damping to zero level, 30 cycles per minute, no Ramp Up
NFPA WHOOP	425-775 Hz, slow low to high sweep, 15 sweeps per minute
WESTMINSTER	Musical tone, no Ramp Up
AIR HORN	400 Hz and 800 Hz, steady tone
THREE TONE	636 Hz, 800 Hz, 636 Hz, 475 Hz, 20 cycles per minute
HI-LO, TYPE 2	360 Hz and 520 Hz, alternating, 60 cycles per minute
WARBLE	560-1050 Hz, rapid up and down sweep, 6 sweeps per second
PULSED AIR HORN	400 Hz and 800 Hz, 24 cycles per minute
DIGITAL VOICE 1	Field recorded message, 20 seconds maximum, Note 1
DIGITAL VOICE 2	Field recorded message, 20 seconds maximum, Note 1
CANCEL	Terminates active tone, Note 2

Note 1 - A short Bell tone precedes all Digital Voice messages. There is no Ramp Up feature for Digital Voice messages. Messages automatically repeat, without the Bell tone. Digital Voice modules are individual options.

Note 2 - Activating any new tone will cancel a presently active tone.

