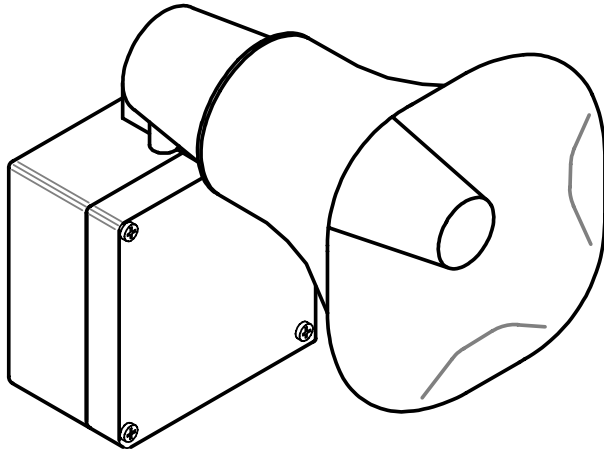


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## COYOTE SERIES AUDIBLE SIGNAL DEVICE CL15SDC, 24 VOLTS DC, 15W SPEAKER



### SPECIFICATIONS

|                  |                    |
|------------------|--------------------|
| Voltage:         | 24 VDC (nominal)   |
| Standby Current: | .04 Amps, typical  |
| Active Current:  | .56 Amps, typical  |
| Weight:          | 9.5 lbs. (4.32 kg) |

### Description

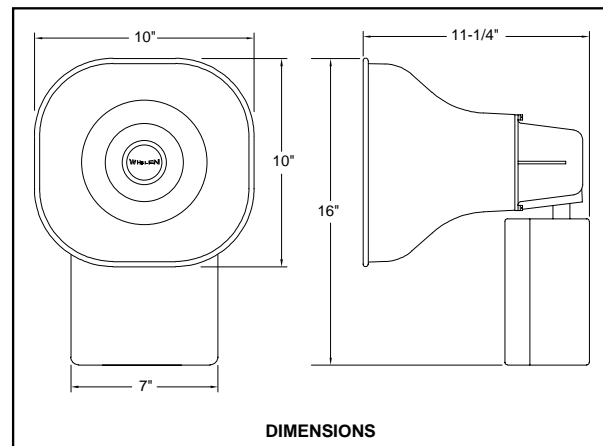
The COYOTE™ Series of alerting devices are ideally suited for industrial applications where high quality, high output audible warning is required.

The COYOTE™ Audible Signal Device, Model CL15SDC, 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 15 watts out.

### Installation

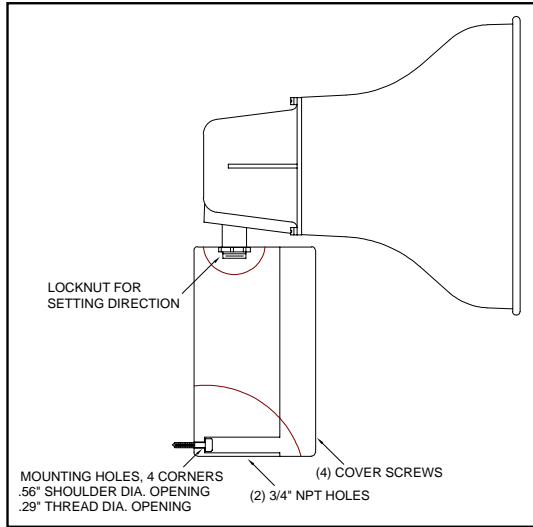
An Audible Signal Device does not require any special tools or training to install and operate, however, it must be installed and tested in accordance with all local electrical codes and regulations.



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 24 volt DC 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 DC service. The RED wire is Positive 24 Volts, the BLACK wire is Ground.
- Note: The BLACK wire is ground in a DC unit.**
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.

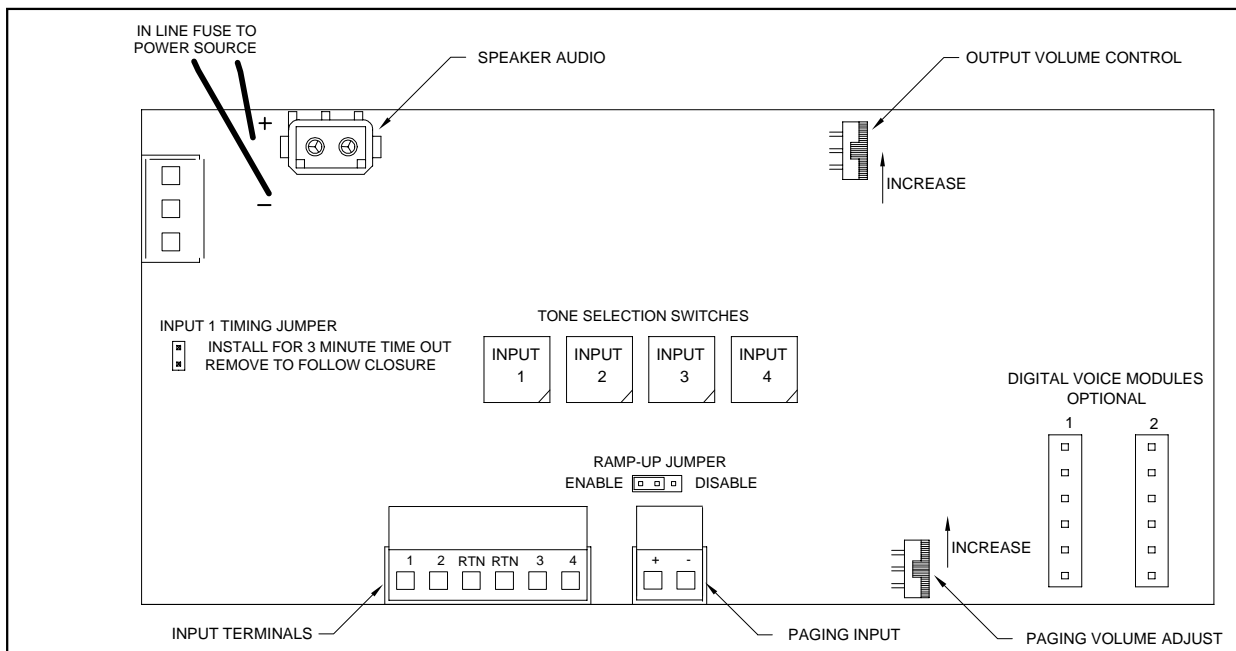
8. Most tones (see Table) include a 10 second Ramp Up period, to full output power. The **Ramp Up Jumper** enables or disables this feature for all tones.

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