



WAYSIDE HORN SYSTEM

CTC's Wayside Horn System resides at a highway-rail grade crossing and produces a digitized train horn sound in the standard crossing warning pattern as a train approaches.

Since sound is directed toward the roadway, noise is significantly reduced along the train's approach path.



BENEFITS

Provides one-for-one replacement for train horn at any highway-rail grade crossing, independent of quiet zone classifications* eliminating the need for supplemental safety measure

Enhances safety by providing supplemental audible warning for crossings with unique situations, such as higher train speeds

Self-contained system in modular package, reducing bulky space requirements

Provides simulated train horn sound focused in the direction of oncoming vehicle traffic at the crossing, eliminating the need for a train to sound its horn

*49 CFR Part 222: Use of Locomotive Horns at Highway-Rail Grade Crossings

FEATURES

- ✓ Easy-to-use menu driven controller simplifies setup and operational testing
- ✓ Configurable horn extends final blow to accommodate site specific conditions
- ✓ Feedback microphone verifies output decibel level
- ✓ Complies with all requirements of 49 CFR Part 222, Appendix E
- ✓ Confirmation beacon provides visual operational status of system to train crew

TECHNICAL SPECIFICATIONS

Wayside Horn Cabinet

Input

- Accommodates 4 track crossings utilizing approach and island circuits
- Supports switching moves
- Remote activation
- Systems can be cascaded to accommodate more tracks and horns

Outputs

- Up to 3 wayside horns
- Up to 3 quiet zone beacon indicator circuits

Control Module

- One control module accommodates up to 3 horns and 3 audio feedback circuits

Physical

- Length - 36 in. (914.4 mm)
- Width - 24 in. (609.6 mm)
- Height - 20 in. (508.0 mm)

Menu Programming Options

- Track switches in approach
- Number of tracks
- Number of islands
- Load/save configuration via USB drive
- Selectable horn sound

Wayside Horn Sirens

Input

- Houses feedback microphone

Outputs

- 100 watt siren driver

Physical

- Length - 26 in (990.6 mm)
- Width - 16 in (406.4 mm)
- Height - 16 in (406.4 mm)

Options

- Heating strips for cold weather environments

Confirmation

Power

- 120 V ac or 12V dc

Physical

- Height - 22 in. (558.8 mm)
- Width - 22 in. (558.8 mm)
- Depth - 2.5 in. (63.5 mm)

Illumination

- Impact resistant polycarbonate lens
- Super bright, wide viewing angle orange LEDs
- Long life, up to 10,000+ hours

**Call 817-886-8210 to incorporate the Wayside Horn System
into your grade crossing applications today.**