

Vaisala HIS Highway Advisory Radio HAR100



Benefits

- Communication equipment (AM radio) is standard in nearly all vehicles
- Allows you to inform the public 24/7
- Reliable communication at times when others are not
- Easy to operate
- Change messages quickly

Features

- Broadcasts messages to motorists in a three to five mile radius
- Messages can be changed remotely by phone or computer
- Robust design, including built-in lightning suppression
- Meets all FCC rules and regulations
- Weather-resistant and theft-deterrent enclosures
- Simple to upgrade, just add components as needed
- Can be integrated with variable message signs
- GPS synchronization available

Overview

Vaisala HIS Highway Advisory Radio HAR100 is a stationary Highway Advisory Radio (HAR) system that utilizes AM or FM radio frequencies to broadcast messages to motorists. Informing drivers before they encounter delays and add to traffic problems is important for maintaining a safe driving environment. Since AM radio is a standard feature in nearly all

vehicles, using HAR100 is the only reliable way to get the message out to everyone.

With HAR100 you can notify motorists of traffic conditions, local points of interest, or emergency and evacuation information, creating a safer, smoother commute and more informed motorists. The HAR100 can also assist in managing traffic during long-term construction projects, keep traffic flowing near public arenas,

during special events, or it can simply be used for frequently congested traffic areas.

Information is available to motorists 24/7, and with battery backup, HAR100 can provide messages even when the power is out. The HAR100 can be installed as a single unit or as a network of GPS synchronized systems that broadcast a single message simultaneously throughout an area.

Technical Data

HAR Access/Control

Local handset, remote control from any touch tone phone, or high speed network

Digital Recorder Player

Digital Recorder Player

Transmitter

10 watt FCC certified
3-5 mile radius (6-10 Km)

Broadcast Frequency Range

530-1700 kHz

Environmental

Temperature -40 °C to +85 °C (-40 °F to +185 °F)
Humidity 95 % non-condensing

Single Monopole Antenna

Class 4 or 5 utility pole
Wood, fiberglass, or concrete
49.2 feet maximum height per FCC

Enclosures

NEMA 3R Aluminum Weatherproof or
Pad mounted Model 334 Cabinet
180 amp AMG battery backup

Ground System

Triad, radial or custom (ensures peak performance)

Digital Communications Controller

Closed loop control
Health status monitoring
User notification
Communication methods include: telephone, ethernet, cable,
DSL modems, or wireless

Power (3 Options)

- 120 VAC power
- 120 VAC power with battery backup
180 amp-hr deep cycle, absorbed glass mat (AGM) batteries
Provides min. of 3 days of operation without AC power
- 12 VDC solar powered with battery backup
Four 120 watt solar panels
Four 200 amp-hr deep cycle, absorbed glass mat batteries
Provides 10 days of operation during inclement weather

Applications

- Local road conditions, closures or delays
- Incident management
- Severe weather notifications
- Emergency evacuations
- Military or defense applications
- Lane closures during long-term construction projects
- Local events such as parades, festivals or tourist attractions
- Homeland security



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