InstAlert 24 Variable Message Sign

- Open dimensions: 1.63” x 28” x 60”
- Folded dimensions: 3.25” x 28” x 30”
- Folded sign fits in vehicle trunk, SUV hatch
- Full matrix display: 26 x 96 pixels, 0.6”x 1” pitch
- LED pixels: Amber 590nm, 30-degree viewing angle, 100,000 hrs, black background, universal display modules
- MUTCD compliant
- On-board message selector buttons for quick selection of 25 internal messages and modes with anti-tamper lockout
- Local and remote management and monitoring options
- Integral active cell modem allowing TraffiCloud Web-Based Management Services for remote management
- Integral camera for awareness and alert-driven images
  - 640 x 480 daylight images

- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override
- Conformal coating on all circuit boards
- Integral case handles and nylon web handles
- Weight: 43 pounds
- Weatherproof, inherently sealed design
- 1/8” tinted, non-glare, UV stabilized polycarbonate face
- Entire face is removable for service
- Aluminum chassis, 12 ga., with black powder coat finish
- Mounting provisions for permanent applications,
  - (12) ¼-20 threaded holes
- –40 to 160°F operating temperature range, 95% humidity, non-condensing (~20°F for Bluetooth communication)
- Withstands up to 70-mph winds
InstAlert Operation Modes

- **Message Mode**: Display one message, up to six screens
- **All Messages**: Sequence all messages in sign memory
- **Schedule**: Change message and/or mode up to 13 times/day
- Speed based modes available in the SpeedAlert 24 configuration
- Sign returns to last configuration when power applied

InstAlert Messages

- **1-3 line messages**
  - 1 line: 24” H x 12.5” W characters, 4/line
  - 2 lines: 10.25” H x 5.75” W characters, 8/line
  - 3 lines: 7” H x 4” W characters, 12 per line
  - 2 lines: (1) 7” char, 12/line, (1) 10.25” char, 8/line
- Up to six screens per message
- Message power efficiency calculator in software
- Variable display time, flash and reverse rates for each screen
- Full graphics capability, each LED is individually controllable, programmable from PC, PDA or remotely
- Ability to link multiple messages for up to 144 screen animation
- Scroll through 25 user defined on-board messages using selector buttons built into sign, no training necessary; buttons on unit become inactive after timeout to prevent tampering, reactivate by reapplying power
- Unlimited message storage on PC, Android device or remote server
- Messages on sign are not erased when power is removed
- Sign returns to last message when power applied
- Actual sign preview on PC, Android or TraffiCloud
InstAlert Programming

Program and monitor the sign three ways:

On-Board Programming (standard on all units)
- Select message from sign's memory
- Select operation mode

TraffiCloud® Web-Based Management Services

Using integral cell modem for remote management

(See TraffiCloud specification for more information):
- Turnkey system with remote sign connection functional out of the box. Unit connects to TraffiCloud system when sign is powered
- Fully hosted web-based management system
  - Internet-connected computer with browser provides anywhere access on all browser-capable, connected devices.
  - No IT involvement or support necessary. System bypasses customer network eliminating access issues
  - Cellular service provided by ATS, no separate cellular charges
  - Hosted database requires no setup or maintenance by customer
- Apps: All apps included in Message Suite:
  - Equipment Management: Change messages and settings remotely, monitor sign online
  - Image Management: Online image retrieval and management of images from internal camera
- Alerts: Email/SMS notifications for low battery and tampering, alerts can include images
- Mapping: Visually manage equipment and data
- Premier Care Perpetual Warranty

ATS PC Sign Manager

Local Management using PC with USB connection standard on all signs
- PC-based client software
- Connect to sign via USB or Bluetooth (optional) ATS

Android App: Local management (optional):
- Android OS wireless Bluetooth control local to unit
- Android device can be phone or WiFi device with Bluetooth

Local Management Features:
- Create and change messages, modes and settings
- Local image retrieval and management from internal camera
- Manage all unit settings, automatic sync with TraffiCloud Web Based Management
- All traffic data and messages can be saved for online management and backup with optional TraffiCloud Message Suite
  - Create message and save to TraffiCloud library, messages available on all ATS Android App or PC Sign Manager devices
- Sign firmware field and remotely upgradeable

InstAlert Settings
- Configure the following parameters via PC, Android or TraffiCloud Web-Based Management System:
  - Load message using “Display Now” feature
  - Load 24 messages into sign's memory
  - Scroll messages in sign’s memory
  - Display signs from server or local device memory
  - Set sign mode
  - Upload schedule
  - Set automatic dimming range minimum and maximum levels or manually override display brightness
- Internal real time clock, time maintained with power disconnected
- Set time via local device or sync with cell signal
Scheduling

- All days, multiple messages: schedule up to 50 different messages or modes for up to 13 different time periods in a 24-hour day, repeats in each 24-hour cycle
- 7 day, multiple messages: schedule different messages or modes for up to 13 different time periods in each 24-hour day for each of 7 days, repeats in each 7 day cycle; up to 50 different messages can be used over the 7-day period
- All messages and scheduling reside on the sign – no external hardware necessary
- Program schedule via TraffiCloud Web, ATS Android pp or ATS PC Sign Manager. Save to load onto multiple signs
- Camera activation controlled in schedule windows
- Internal real time clock, time and schedule maintained with power disconnected

Data Logging Option for InstAlert units with the optional internal radar option – SpeedAlert 24

- Upgrade to the SpeedAlert 24, adding traffic radar to the InstAlert to enable collection of traffic data and speed display functionality
- See SpeedAlert 24 Specification Sheet

InstAlert Sign Power

- Power Input, Max:
  - 12VDC, 8A max, 96 W max; 4A, 48W typical
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override

SpeedAlert 24 Power:

- 12VDC locking plug, 30A capacity: Compatible power supplies include:
  - Vehicles’ power port, with optional adapter
  - Trailer wiring adapter for hitch mount
  - POWERcase portable power supply, PC26 or PC36
  - 120 or 220 VAC Power supply in NEMA 4 enclosure
  - ATS 5 Trailer (batteries with optional solar assist: 235 or 470 Ah, 60W solar option)
  - Pole battery box: 156Ah battery with solar assist
- Battery level indicator on sign, ATS Android app, ATS PC Sign Manager or TraffiCloud Remote Management
- Auto recovery for battery with solar
- Power cable customer replaceable, gold-plated connector contacts, high visibility yellow cable

Standard InstAlert System Components

- InstAlert Variable Message Sign
- ATS PC Sign Manger software with USB cable
- On-Board Controls

InstAlert Mounting Options

- ATS 5 Trailer (refer to ATS 5 Specification Sheet for more info)
• Options using the InstAlert mounting bracket
  • Hitch mount
    o Sign height: 25” to bottom, 53” to top of sign from receiver tube (final height dependent on receiver height, flip mounting bracket for an additional 12”)
    o Fits 1.25” or 2” receiver, adapter included
    o ½” hitch pin
    o Locking rotation adjustment on 15-degree increments over 180 degrees,
    o ± 5-degree tilt to adjust LED aim for maximum brightness
    o White powder coat finish with rear reflector
    o Not intended for operation above 15 mph
  • Telescoping Hitch Mount
    o All features of standard hitch mount, plus
    o Sign height: 53” to bottom, 81” to top of sign from receiver tube (final height dependent on receiver height, flip mounting bracket for an additional 12”)

• Standard Folding Portable Post:
  o Folds for easy storage and portability
  o 42” to 55” to bottom, 70” to 83” to top of sign depending on leg positions, rotate bracket for additional 12”

Optional InstAlert Sign Components and Features
• TraffiCloud Web-Based Remote Management Service
  • ATS Android App, Bluetooth connectivity
  • Padded carrying case with accessory pockets, shoulder strap

• Mounting bracket
  o Mounts to pole or any surface using any hardware, no tools required
  o Tamper-resistant hardware compartment
  o Rotate bracket for additional 12” of mounting height
  o Aluminum with black powder coat
  o Sign can be locked into bracket
  o Bolt sign to mounting bracket for additional security
  o Mounting hardware supplied

• Internal radar allowing for speed display, speed dependent messaging and speed and volume data collection – SpeedAlert 24 radar message sign
• Drive Times sensor-free Time to Destination Service
  o Travel time data sent to sign every minute

Warranty
• 1 year warranty (three months on Li-Ion batteries)

Premier Care
• Extended Warranty
• Product software upgrades free
• Vandalism and accidental damage (non-warranty) at 50% off list price
**Product Specifications:** InstAlert 24 Variable Message Sign

**INSTALERT 24 DIMENSIONS: OPEN**

**MOUNTING HOLE POSITIONS**