InstAlert 24 Folding 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, MUTCD-compliant color, 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
- **All Messages:** Sequence all messages in sign memory
- **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 per line
  - 2 lines: 10.25" H x 5.75" W characters, 8 per 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**

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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 sheet 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
PRODUCT SPECIFICATIONS: INSTALERT 24 VARIABLE MESSAGE SIGN

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 Manager software with USB cable
- Onboard Controls

InstAlert Mounting Options
- ATS 5 Trailer (refer to ATS 5 Specification Sheet for more info)
- Options using the InstAlert mounting bracket
  - Hitch mount
    - 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”)
    - Fits 1 ¼” or 2” receiver, adapter included
    - ½” hitch pin
    - Locking rotation adjustment on 15-degree increments over 180 degrees,
    - ±5-degree tilt to adjust LED aim for maximum
PRODUCT SPECIFICATIONS: INSTALERT 24 VARIABLE MESSAGE SIGN

- **Brightness**
  - White powder coat finish with rear reflector
  - Not intended for operation above 15 mph

- **Telescoping Hitch Mount**
  - All features of standard hitch mount, plus
  - 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:**
  - Folds for easy storage and portability
  - 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**

**INSTALERT 24 DIMENSIONS: OPEN**

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

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

**Warranty**

- 3-year manufacturer’s warranty (three months on Li-ion batteries)

**Premier Care Perpetual Warranty**

- Free with current subscription to TraffiCloud
- Product software upgrades free
- Vandalism and accidental damage (non-warranty) at 50% off list price
PRODUCT SPECIFICATIONS: INSTALERT 24 VARIABLE MESSAGE SIGN

INSTALERT DIMENSIONS: FOLDED

DIMENSIONS: MOUNTING PLATE

MOUNTING HOLE POSITIONS