ALL TRAFFIC SOLUTIONS

SmartApps Drive Times Time to Destination Messaging

Drive Times provides the ability to configure travel routes and use the travel times along these routes as message content or as logic to determine messages for display. Define routes with a web-based interface that is linked to a cloud-based travel time data source that aggregates multiple historical and live sources of traffic data providing accurate, live travel times without the need for in-road sensor infrastructure. Drive Times integrates seamlessly with All Traffic Solutions' SmartApps message deployment platform.

Route Definition

- Routes defined using web based interface and assigned user-defined names
- Routes are easily re-configurable
- Up to 5 active routes can be established per Drive Times subscription
- Routes can define permanent or temporary start/end points
- Routes consume TomTom real time traffic data derived from multiple live and historical sources

Use of Routes

- Travel time over route can be displayed in messages
- Delay over normal travel time can be displayed in messages
- Current route times can be used as logic thresholds to dynamically display varying messages or recommend alternate routes

Route Association with Messages

- Information for up to 5 routes can be displayed on each sign
- Each message can consist of up to 6 screens
- Message Groups can be created in order to scroll through or conditionally display up to 5 messages
  - Origination Group: Each sign can display current travel time or delay time for up to 5 destinations
  - Destination Group: Each sign can display one of up to 5 alternate routes with the route selection automatically dependent upon the current minimum time to destination from the defined routes

Drive Times Messages and Screen Design

- Up to 6 screen message per route
- Drive Times message screen
  - 3 line format:
    - Time to / <DESTINATION> / <DT> min
    - Time to / <DESTINATION> / <DT> h <DT> min
  - (OR) 2 line format:
    - <DESTINATION> / <DT> min
    - <DESTINATION> / <DT> h <DT> min
  - Up to 5 additional screens for informational purposes
- Schedule different routes and combinations of routes for different times of the day – up to 6 groups per day (Ex. inbound destination messages in AM, outbound destination messages in PM)

Platform Technology

- Turnkey system. Sign-to-host functionality is pre-established. Unit connects to SmartApps system immediately when sign powered
- No traffic data sensors necessary
- Drive Times traffic data refreshed every minute
- Password protected system with three levels of access
- Web-based user interface is always up to date and continually receives applicable enhancements
- Fully hosted web-based management system
  - Internet connected computer & browser provides anywhere access.
  - No IT infrastructure or support necessary
  - Bypasses customer network eliminating firewall & access issues
  - No additional hardware or network appliances necessary
  - No software or middleware to install for remote management
  - Wireless cellular connection provided by ATS, no separate charges.
- Hosted system requires no setup or maintenance by customer

Integrates with these SmartApps Services (purchased separately)

- Equipment Management: Manage equipment remotely
  - Check status and change settings/messages from any internet connected computer
  - Remotely accessible settings (as applicable to sign model)
    - Time to Destination, standard messages and Speed Dependent Message Groups
    - Sign brightness range
    - Schedule sign modes and messages/message groups, up to 6 times per day; repeat daily or weekly
    - Monitor current sign configuration and power levels
    - Speed limit (signs can display speeds and collect traffic data with optional radar)
    - Display modes: max & min speed displayed, stealth mode (collect traffic data without influencing speed)
    - Violator alert activation
    - Radar sensitivity, if applicable (reduce to save power)
    - Alert thresholds and recipients
  - Message deployment platform
    - Standard Messages: up to 3 screens, rotating
    - Speed Dependent Message Groups: up to 5 standard messages
    - Live Traffic Messages: up to 3 screens with info on one route
    - Live Traffic Message Groups: up to 5 routes or destinations
  - Monitor sign moves with GPS, both planned and unplanned
- Mapping: Manage program through interactive map of your community
  - Interactive map provides window to all system information and functions. Click on sign or location for relevant setting and data links
  - Setup locations on Map for sign and data collection
  - Layers selectable, to show only currently relevant information
  - Current equipment location verified with GPS
- Alerts: Select when and whom is alerted
  - Receive email and/or text message alerts
  - Alerts include images if enabled
  - Alerts for low battery, tampering with GPS location
  - High speed and congestion alerts if unit has radar
  - Assign recipients by unit, location, alert type
- Image Management: Awareness from internal camera
  - Internal camera, 400x640 resolution, 3 resolution options for capture
  - Capture and upload images based upon alert thresholds- high speed, tampering or congestion
  - Awareness images captured at regular frequency – 15 min to 180 min in 15 min increments
  - Image Capture Report shows relevant image data, user can add notes and print or save
- Premier Care:
  - Perpetual warranty for duration of SmartApps Suite subscription
  - 50% discount on non-warranty repairs and parts
  - Real-time diagnostic monitoring
  - Remote firmware updates

Compatible with these ATS Products

instAlert/SpeedAlert 18   instAlert/SpeedAlert 24

Made in the United States of America