WANCO MATRIX MESSAGE SIGN POWERED BY TRAFFICLOUD™

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™

Full size, full-matrix sign provides high visibility and performance in high traffic areas. TraffiCloud-enabled for easy remote access and management.

A multitude of functions and options make the Wanco Matrix Message sign extremely versatile. Display any type of message—large or small letters, graphics and symbols.

- Three-line message signs display up to three rows
- Ultra-bright, highly legible LEDs for clearest display
- Easy programming with touchscreen or remotely with TraffiCloud
- Full-matrix display, 48 x 27 pixels, 1296 total, 66mm square pitch; 75 H x 138 W x 12 D
- Pixel: 4 LED with optical lenses and sunshades for optimal visibility, 5 degree tilt downward for visibility
- Amber LEDs, 590nm nominal
- Full range of MUTCD-compliant graphics
- Auto-dimming with two photocells, one facing rear and one facing front
- Operating temperature limits:
    - o Operating: –29°F to 165°F
    - o Storage: –40°F to 185°F

Fonts

- 12 fonts including:
    - o 18" default height with 5 x 7 pixels, 3 lines, 8 characters/line
    - o Largest: 60" height with 11 x 23 pixels, 1 line, 4 characters/line
    - o Smallest: 12" height with 4 x 5 pixels, 4 lines, 9–12 characters/line

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- Temperature sensor-controlled fans (2) with adjustable settings to prevent overheating
- NEMA TS 4-2005 compliant for ambient temperature, vibration, shock, ESD, radio interference
- Easily replaced display modules
- Polycarbonate display window, 0.15" thick, anti-glare UV resistant grade
- Door fully opens for service, including when in stored position; Clasps hold display window closed, can be locked with padlock
- Display cabinet: Aluminum, 15 ga
- All circuit boards conformally coated
- Auto display board initialization function for position, no DIP switches
- Individual pixel fault detection

Controller

- In-cabinet, full color 7" touch screen controller (ICC) with continuous message preview, no laptop required
- Display shuts off automatically after 10 minutes of inactivity
- Multi-level password protection
- Messages
  - o WYSIWYG programming (what you see is what you get)
  - o Text justification to center text – horizontal and vertical
  - o 90 preprogrammed permanent messages with FHWA standards

- o 250 changeable message capacity
- o 10 volatile messages for ITS systems
- o Easy blanking

Message creation

- Up to 10 screens per message, .1– to 25–second display time per screen
- Blinking modes: each screen of a message with adjustable rates per screen
- Schedule capability with internal real-time clock
- LEDs indicate solar charging, power shutdown, schedule mode active, radar power
- Locked controller cabinet with 2 quarter turn latches
- NTCIP compliant
- TrafficBridge™ Communication Module, Antenna, GPS
  - o 3G communication
  - o Monitor sign location

- TraffiCloud™ Message Suite – NTCIP compliant
  - o Turnkey hosted system
  - o Low battery alerts
  - o Map view for fleet management
  - o Includes cell service
  - o Mass update capability

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TraffiCloud Web-based Management Services

- TraffiCloud provides remote sign management

- Turnkey system. Sign to web connection functional upon ship. Unit connects to TraffiCloud system automatically when sign powered

- Password-protected system with five levels of access

- Unlimited authorized users within account can have access to data

- Web-based user interface is always up to date and continually receives applicable enhancements

- Fully hosted web-based management system

  o Any Internet-connected device and browser provide anywhere access.

  o Device agnostic—works on any Internet-connected device with browser including PC, Mac, Android and iOS

  o No IT involvement or support needed – System bypasses cutomer network, eliminating firewall issues

  o No additional hardware or network appliances necessary

  o No software or middleware to install for remote management

  o Wireless cellular connection provided by ATS, no separate charges

  o Hosted database requires no setup or maintenance by customer

- Make changes at the sign using onboard control

TraffiCloud Applications Included

Equipment management:

  o Manage equipment remotely

  o Check status and change settings/messages from any Internet-connected computer

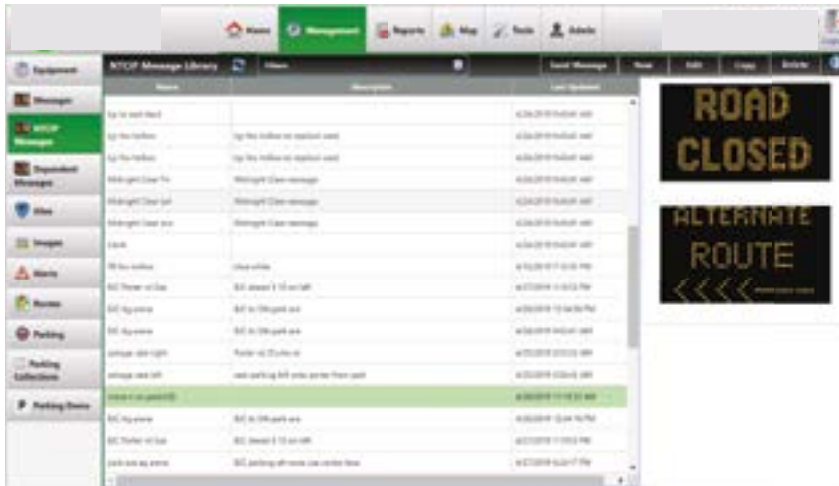 o Remotely accessible settings (as applicable to sign model)

Message Library:

  o Change messages on one or all signs remotely in real time

  o Schedule sign modes and messages with no limitations on number of windows or screens, repeat daily, weekly or set weekday/weekend schedules

  o Monitor current sign configuration and power levels

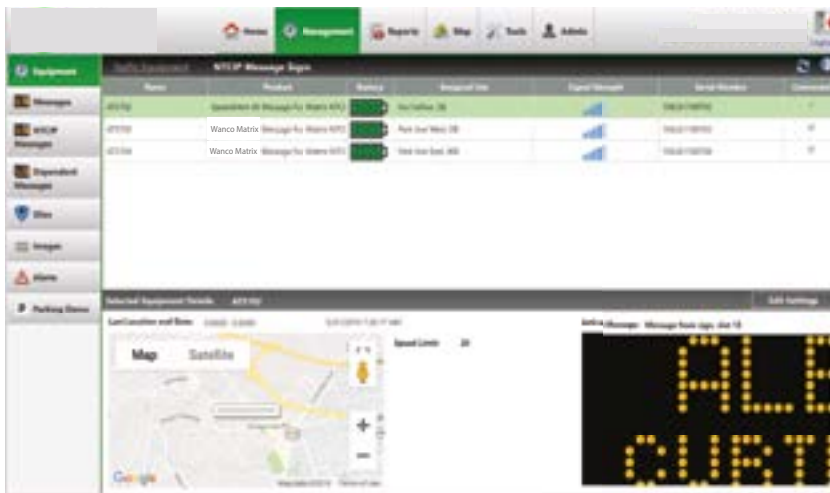 o Monitor moves, both planned and unplanned TraffiCloud applications included in the Traffic Suite

Alerts:

  o Select when and who/whom is alerted

  o Receive email and/or text message alerts for low battery

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ATS TraffiCloud delivers remote management capabilities for your Wanco message signs from any Internet connection.

Change messages on one or all signs simultanously from the TraffiCloud dashboard. Save messages in the library or create new ones.

Check sign locations and battery levels without driving to each sign.

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