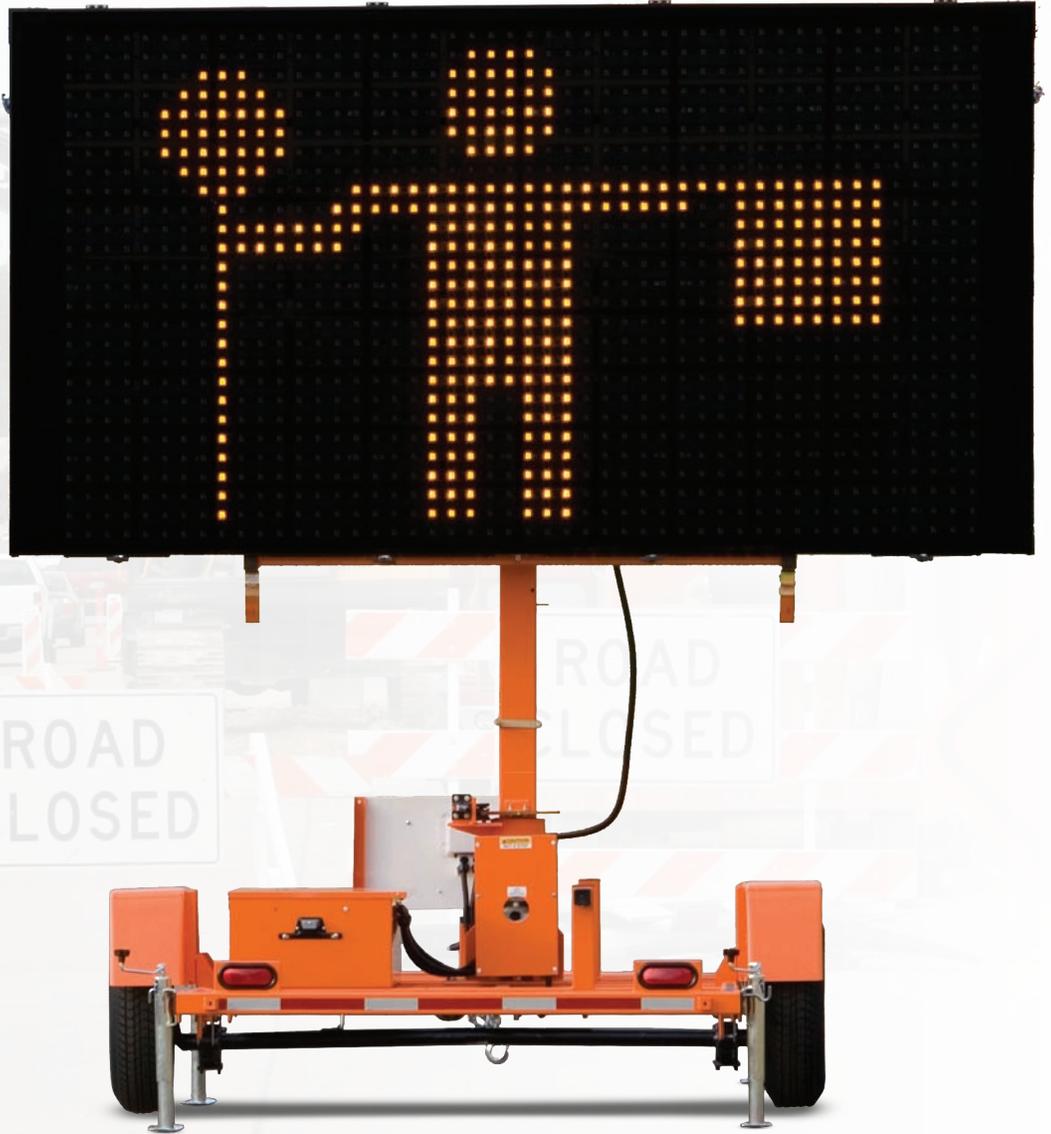


# Variable Message Signs

## Full-Matrix and Three-Line



# The safest means for notifying motorists of changes in traffic patterns and road conditions.

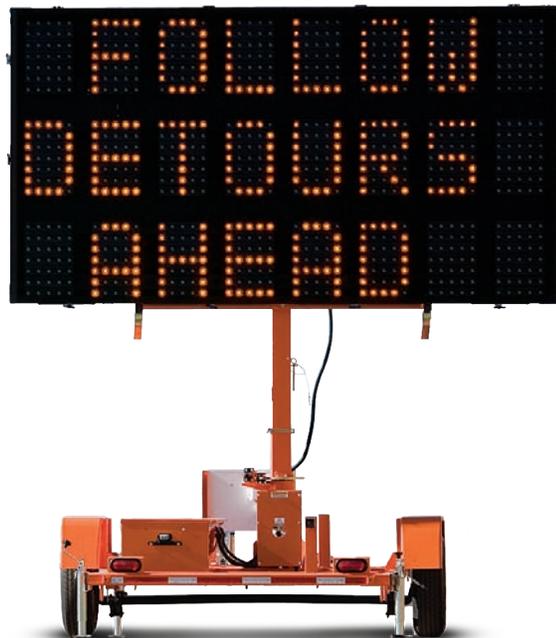
- Onboard controller
- Easiest programming in the industry
- Solar charging
- Low power consumption and more uptime
- Meets MUTCD and is NTCIP-compliant

Wanco Variable Message Signs are the ideal choice when you need to get information to the public. Full-size and mini-size signs provide versatility with the same great performance.

Full-matrix signs provide the greatest flexibility for displaying any type of message—large or small letters, symbols, graphics. Graphics and text can be combined in the same message.

Wanco three-line message signs are capable of displaying three rows of alphanumeric characters. The ultra-bright, highly legible LEDs display your message clearly.

Unsurpassed quality, engineering and value, paired with a multitude of functions and options, make these signs perfect for a wide variety of applications.



Three-Line Sign

WTLMB(A) Hydraulic lift  
WTLMB(B) Manual winch



Mini Matrix Sign

WVTM(A) Hydraulic lift  
WVTM(B) Manual winch

Full-Matrix Sign

(shown on front cover)

WTMMB(A) Hydraulic lift  
WTMMB(B) Manual winch



Mini Three-Line Sign

WVT3(A) Hydraulic lift  
WVT3(B) Manual winch

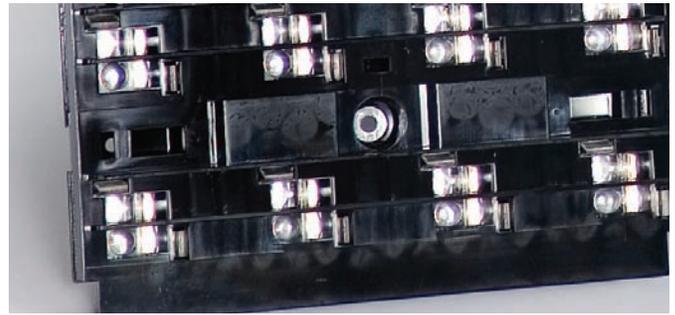
Signs are also available in truck-mount versions. Optional accessories include radar-based speed detection, Traffic Data Classifier System, cellular modem for remote communications, GPS and more. For details, visit [www.wanco.com](http://www.wanco.com).



### Rubber vibration-isolation mounts

Rubber vibration mounts decrease physical shock to the LED display modules and isolate them from chassis ground. This mounting technique prolongs the life of the modules, increasing both reliability and uptime.

The face of the sign cabinet is covered by an impact-resistant clear polycarbonate resin thermoplastic door that further protects the modules. The door is angled to reduce glare.



### LED pixels

Display modules feature clusters of four LEDs that comprise each "pixel." An optical lens magnifies the intensity of the LEDs and increases angularity. A visor shades each row of pixels from sunlight, maximizing brightness.

All Wanco display modules feature 5-mil silicone conformal coating, which provides long-term protection against moisture and other atmospheric contaminants.

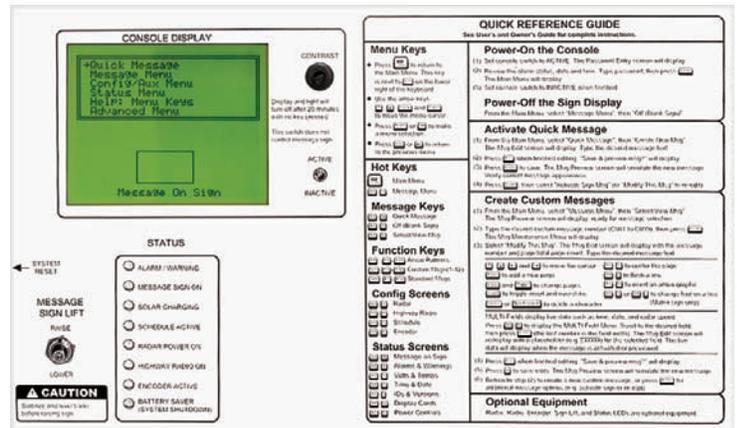


Wanco matrix signs provide a variety of font sizes and styles—many more than are shown here—as well as standard and custom symbols and graphics.

Wanco portable message signs have a self-contained onboard computer, making a laptop or external controller unnecessary.

Changing the message is simple, as Wanco signs feature the easiest programming in the industry. The control console includes an LCD display and quick-reference instructions for many common commands.

Signs come configured with preprogrammed standard messages. A quick-message function provides for display of select messages with a keystroke. Multiple programming options provide flexibility for multiple applications.



### Matrix sign control panel



Unauthorized access to the control console is virtually eliminated with multi-level password protection, a removable keyboard, and a locking control box that resists tampering.

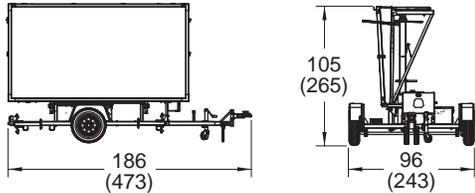
## Brief specifications

### Full-size signs

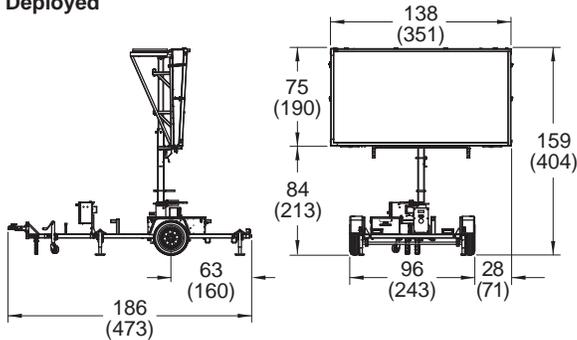
#### Physical

Dimensions in inches  
(cm)

#### Travel position



#### Deployed



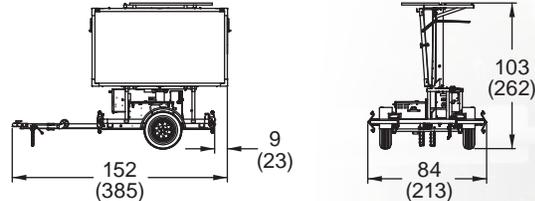
Weight Approx. 2640 lbs. (1193 kg)  
Tires ST205/75 D15

### Mini signs

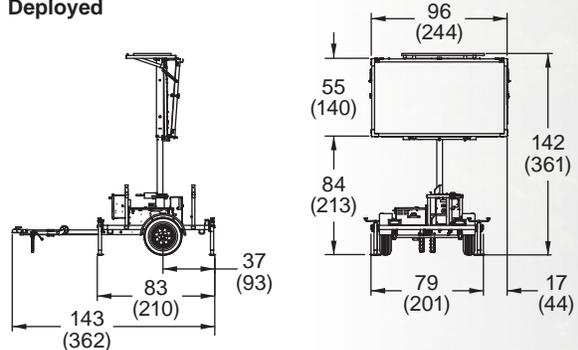
#### Physical

Dimensions in inches  
(cm)

#### Travel position



#### Deployed



Weight Approx. 1580 lbs. (717 kg)  
Tires ST205/75 D15

### Matrix Signs

#### Display

Resolution Four amber LEDs form each pixel  
Matrix 48 pixels wide, 27 pixels high  
Fonts 12 fonts, selectable  
Default font 5 x 7 pixels  
3 lines of 8 characters max.  
Default font size Full-size 11 x 16 in. (28 x 42 cm)  
Mini 8 x 12 in. (21 x 30 cm)

#### Power

Batteries Four 6 Vdc deep-cycle Group 24 batteries, wired for 12 Vdc power  
Battery capacity 430 Ah total capacity @ 12 Vdc  
Solar panels Full-size 130 W  
Mini 85 W  
Power options Additional batteries and solar panels  
4D AGM batteries

### Three-Line Signs

#### Display

Resolution Four amber LEDs form each pixel  
Font 1 font  
5 x 7 pixels  
3 lines of 8 characters per line max.  
Font size Full-size 12 x 18 in. (30 x 45 cm)  
Mini 9 x 14 (24 x 34 cm)

#### Power

Batteries Four 6 Vdc deep-cycle Group 24 batteries, wired for 12 Vdc power  
Battery capacity 430 Ah total capacity @ 12 Vdc  
Solar panels Full-size 130 W  
Mini 85 W  
Power options Additional batteries and solar panels  
4D AGM batteries

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