Full-Size Matrix
Variable Message Signs



TRANSPORTATION SOLUTIONS & LIGHTING

980 N Federal Hwy Suite 110, Boca Raton, FL 33432

tsandl.us **800-216-4044**

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The ideal choice for getting information to the public with a choice of fonts and preprogrammed graphics

- Multiple alphanumeric fonts with full matrix of pixels
- Easiest programming in the industry
- Full-color touchscreen controller
- Preprogrammed, custom and MUTCD graphics
- Easy to deploy with 360-degree display rotation



TS&L Full-Size Matrix Signs provide the greatest flexibility for displaying any type of message—text, graphics and symbols. Graphics and text can be combined in the same message.

Creating and changing messages is easy, as TS&L signs feature the easiest programming in the industry. The onboard controller has a full-color 7-inch LCD capacitive touchscreen, and signs come configured with preprogrammed standard messages and bold arrow patterns.

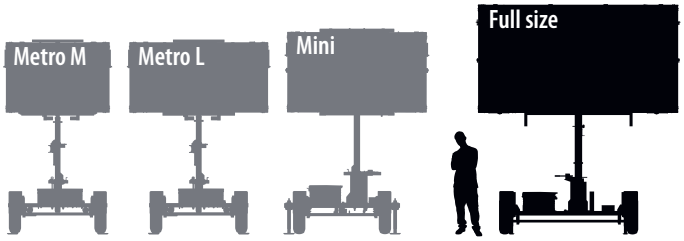
Unsurpassed quality, engineering and value, paired with a multitude of functions and options, make these signs perfect for any application.

To see or order a TS&L Matrix Message Sign, call **(800) 216-4044** or visit tsandl.us .

- Capacitive touchscreen controller located on back of display cabinet
- Intuitive full-color interface with large "buttons"
- Safer programming at eye level
- Better traffic visibility
- Multi-level password protection and lockable control box
- Out of reach of the casual hacker
- No external wiring from controller to sign
- NTCIP compliant

Brief specifications

Physical	
Deployed footprint, L × W	186 × 138 in (473 × 351 cm)
Sign cabinet size, W × H	138 × 75 in (351 × 190 cm)
Operating height	159 in (404 cm)
Travel height	105 in (265 cm)
Weight, approx.	2640 lb (1193 kg)
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	13 x 18 in. (33 x 46 cm)
Power	
Batteries	Four 6 Vdc deep-cycle batteries wired for 12 Vdc power
Battery capacity	430 Ah total capacity @ 12 Vdc
Solar panels	130 W minimum
Power options	Additional batteries, 4D AGM batteries and solar panels



Model WTMMB

- Weighs less than 3000 pounds and can be towed by most vehicles
- Standard tow hitch and removable drawbar
- Energy-efficient operation for long run times
- Meets NEMA TS 4-2005 Section 2 for ambient temperature, vibration, shock, ESD and RFI
- Durable powder-coat finish resists the elements
- Optional TS&L Protection Package for battery theft prevention

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