

# BLANK OUT SIGN

PRODUCT SHEET

## OVERVIEW

The Blank Out Sign (BOS) is an automated warning signage solution designed to display specific instructions to motorists such as road closures, detours, lane closures, and prohibited turns. Blank Out Signs are activated according to different times and conditions to quickly manage traffic flow. Various types of warning signs, such as the BOS, fall under the Versilis signage solutions umbrella, as they all share the same key design features and communication technology. Each signage product is designed to meet Versilis' basic principles of motorist safety, ease of integration and operational efficiency.

- Modular design adapted to any project requirements
- Ease of integration
- Constant current modular power system that eliminates flickering



## VISUAL QUALITY

These signs are recognized for the clarity and visibility of information that they offer as they are built with high-quality components such as LEDs specially designed for road traffic, and a unique constant current modular power system that eliminates flickering.

## OPERATIONAL EFFICIENCY

This Blank Out Sign is also energy-efficient as it consumes up to 90% less electricity than conventional fiber optic signs. Furthermore, its components are designed to facilitate installation, maintenance and upgrading thereby lowering operating costs. Finally, it is also possible to reuse the enclosure and wiring and easily replace the front (LED) panel. The wiring may be installed in the panel itself or consolidated with other power supplies in a more accessible area to minimize traffic disturbances during maintenance operations.

## MODULAR DESIGN

The modular design of this product allows easy customization of design specific and oversized panels according to any project requirements. A full array of pre-designed panels is also offered, and several messages can be combined on a single panel.

## BLANK OUT SIGN OPERATION

A Blank Out Sign includes a Versilis Control Unit to receive and execute commands. A system application may include one or many BOS that can be activated individually, in sequence, in groups, or as part of an overall solution that brings together various traffic devices, including SwiftSign, SwiftGate, lane control sign, flashing beacon, traffic light controller, etc. Different communication interface options allow BOS to be controlled and monitored remotely from a Traffic Management Center. For on-site operation and maintenance, a radio frequency RF handheld remote control is available, as well as push buttons.

## FUNCTIONAL CHARACTERISTICS

- Independently powered and controlled messages. The power modules are compatible with other LED display panels and can be replaced while powered
- The front panel assembly, as well as the main components, can be replaced using only a screwdriver, which facilitates upgrading and maintenance operations
- Fully compatible with:
  - Standard traffic signal conflict monitors (NEMA and 170)
  - Orange Traffic's SPC-22 programmable clock, allowing for the panel's autonomous operation according to pre-established schedules
  - Earlier versions of Orange Traffic lane control signs (backward compatibility)
  - Dry contact for the confirmation or display control alarm of each message and for interlocking two contiguous messages without additional material
  - 3/16" thick UV-resistant front lens for longer LED life

**SAFETY  
PERFORMANCE  
EFFICIENCY**

INCREASED HIGHWAY OPERATION EFFICIENCY

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## TECHNICAL FEATURES

### DIMMING MODES

- Extremely flexible dimming modes to meet the needs of various situations (retrofits, new installations, etc.)
- 50% instantaneous or timed fixed dimming using an external photoelectric cell
- Programmable gradual dimming (1,000 increments) using an external photoelectric cell
- Gradual dimming (1,000 increments) according to the brightness of ambient light using a built-in photoelectric cell
- Gradual dimming (1,000 increments) of a set of panels from a master panel controlled by an internal or external photoelectric cell (ensures uniform brightness of all panels making up the set)
- Permanent fixed dimming (60%)

### DISPLAY MODES

The flashing modes are incorporated and synchronized. Several display options are available:

- Constantly lit
- Flashing every 250 ms
- Flashing every 500 ms
- Flashing every 1 s
- Constantly unlit
- Wig-wag flashing every 250 ms
- Wig-wag flashing every 500 ms
- Wig-wag flashing every 1 s

### PHYSICAL

- Waterproof aluminium enclosure that meets NEMA requirements for type 4 enclosures Compliance with ITE requirements applying to LED road signs
- Exterior dimensions:
  - 28" x 28" for 24" messages
  - 28" x 38" for 30" messages
  - Depth: 8 inches
- Compliance with operating temperature criteria of the NEMA TS2 standard (-30 to +165°F)

### OPTIONAL ACCESSORIES

- 12" visor for improved visibility and contrast in direct sunlight

### ELECTRICAL

- Supply voltage: 90-135 VCA/60 Hz
- Maximum power: 30 W; nominal power: 15 W
- Power factor: > 90%
- LEDs of stable brightness and chromaticity over the entire power and temperature ranges

### COMMUNICATION INTERFACE OPTIONS

- Wireless interface (US 915 MHz ISM band)
- Wired RS-485 interface
- Fiber Optic interface (SM or MM, with ST or SC connector type)

### LOCAL CONTROL OPTIONS

- Versilis Handheld Remote Control (US 915 MHz ISM band). Approximate range of 1 mile in normal condition with line of sight.
- Push buttons in local ITS cabinet (when using Versilis Commander)

### REMOTE CONTROL OPTIONS

- Using Versilis Commander (over Ethernet):
  - Versilis Single Web page
  - Versilis ITS Central
  - NTCIP Client Interface
- PLC using dry contacts

Ability to mix and match above control options for added operational flexibility and redundancy.



In Partnership with **Orange traffic+**

### ABOUT VERSILIS

Versilis takes pride in developing quality innovations and providing exceptional service. Everything we do is governed by three principles: Quality, Safety and Efficiency. In an effort to meet the highest quality standards and respond to client's evolving requirements, Versilis engineers work hard at continuous product improvement. For this reason, Versilis reserves the right to modify minor technical details listed in this product information sheet without warning.

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