OPEN/CLOSED – LED Lane Control Sign

OPEN/CLOSED LED road signs are designed to indicate whether a roadway, for example a weigh station or a stretch of road, is accessible or not.

Description

These signs are the most readable on the market because 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. Orange Traffic's lane control signs also enable energy cost savings because they consume up to 90% less electricity than conventional fibre optic signs. Furthermore, their components are designed to facilitate installation, maintenance and upgrading and therefore lower operating costs. Finally, it is also possible to reuse the enclosure and wiring and replace only 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. Orange Traffic offers an array of standard LED panels and several messages can be combined in a single panel. However, thanks to their modular design, these panels are easily adaptable to your requirements, and Orange Traffic is also able to design special or oversized panels. Feel free to inform us about your specific needs.

Specifications

Technical characteristics

- Waterproof aluminium enclosure that meets NEMA requirements for type 4 enclosures
- Compliance with ITE requirements applying to LED road signs
- Exterior dimensions:
    - 510 x 1320 mm (20 x 28 52.) for 300 mm (12 in.) messages
- Depth: 200 mm (8 in.)
- Supply voltage: 90-135 VAC/60 Hz
- Maximum power: 30 W; nominal power: 15 W
- Power factor: > 90%
- Compliance with operating temperature criteria of the NEMA TS 2 standard (-34 to +74°C [-30 to +165°F])
- LEDs of stable brightness and chromaticity over the entire power and temperature ranges

Optional accessory

Visor measuring 300 mm (12 in.) in depth for improved visibility in direct sunlight

Functional characteristics

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

Dimming modes

Flexible dimming modes to meet the needs of different types of installations:

1. 50% instantaneous or timed dimming using an external photoelectric cell)
2. Gradual dimming (1,000 increments) using an external photoelectric cell
3. Gradual dimming (1,000 increments) using a built-in front-mounted photoelectric cell
4. Gradual dimming (1,000 increments) of several panels from a master panel controlled by an internal front-mounted or external photoelectric cell
5. Permanent fixed dimming (50%)

Display and flashing modes

The display and flashing modes include a constantly lit display and several flashing options:

1. Lit
2. Flashing every 250 ms
3. Flashing every 500 ms
4. Flashing every 1 s
5. Unlit
6. Wig-wag flashing every 250 ms
7. Wig-wag flashing every 500 ms
8. Wig-wag flashing every 1 s