

# 8" Aluminum Vehicle Signal



▷ ▷ All Econolite signals are designed to meet or exceed the Institute of Transportation Engineers (ITE) standards.

## About Signals

Traffic and pedestrian signals represent the foundation of safety at any signalized intersection. They also represent the first, and arguably the most important, interaction motorists, bicyclists and pedestrians have with Intelligent Transportation Systems (ITS).

For more than eight decades, Econolite has led the industry in both innovation and breadth of traffic and pedestrian signal solutions for virtually every application, helping transportation agencies and Metropolitan Planning Organizations (MPOs) efficiently and cost-effectively meet evolving traffic management programs.

Each aluminum traffic signal head consists of a number of identical signal sections rigidly fastened together to present a continuous, pleasing signal appearance. Each section has a separate, completely assembled housing. The traffic signal meets or exceeds the equipment standard of the Institute of Transportation Engineers' (ITE) latest revision. Constructed from corrosion resistant aluminum alloy castings and stainless steel hardware, each signal section unit is virtually weatherproof.

### At A Glance

- ▷ Tested with over 80 mph wind loading on single point attachment
- ▷ Aesthetically designed - no protruding hinges or latches
- ▷ Stainless steel hardware
- ▷ Doors equipped with 2 latches
- ▷ Reversible door - left side standard, right side optional
- ▷ "Fast-on" tab terminal block
- ▷ Terminal block identifiers cast into housing



## Durable Housing

Housing and door assembly die castings were designed with the aid of a computer to deliver maximum strength with minimum weight for unmatched tolerance to wind loading and resistance to knock-down damage. Corrosion resistant aluminum alloy castings and stainless steel hardware make the unit virtually immune to weathering.

## Corrosion Resistant Finishes

A 90,000V negative charge is applied to the paint to insure proper application to the aluminum components. The paint is then baked on and cured in Econolite's finishing department.

## Positive Sealing

The door gasket seals out dirt and moisture, while the precision-molded lens gasket provides a second barrier to outside contamination.

## Shurlock Boss

Radial angular grooves cast into the top and bottom of the signal head housing (along with Econolite Shurlock fittings) permit alignment adjustments in five-degree increments and hold the head firmly in place. Two attaching washers and three bolts make it easy to add sections. They also permit any section to be rotated independently about the vertical axis and hold each section securely in place to prevent misalignment.

## Terminal Block

One five-position terminal block with "Fast-on" tabs on one side and screw clamps on the other side is provided. Mounting points for a second block are also present. Raised letters cast into the housing identify each position on the terminal block.

## Basic Specifications

- ▶ **Dimensions (less visor)**
  - ⦿ 10 in. H x 10.5 in. W x 6¾ in. D
- ▶ **Weight, typical:**
  - ⦿ Poly = 7.2 lb (less visor)
  - ⦿ Glass = 7.8 lb (less visor)
- ▶ **Standard Colors:**
  - ⦿ Dark Olive Green (matches Federal Standard 595b-14056)
  - ⦿ Yellow (matches Federal Standard 595b-13538)
  - ⦿ Dull Black (matches Federal Standard 595b-37038)

## Reversible Door Mounting

The door may be mounted on either side, permitting easy access to closely mounted signals. This is ideal for cluster-mounted signals. Two integrally-cast hinge lugs and latch screw slots are located on each side of the housing. Built upon a symmetrical concept, each housing is capable of providing either a right or left-hand door opening. While the left hinge is standard, the right hinge is optional and must be specified.

## Versatility

In addition to most other manufacturers' signals, the 8-inch section may be used vertically or horizontally as a single-section beacon or in combination with 12-inch sections. Flat-back housing simplifies mounting for special applications. A complete line of visors, louvers, and back-plates is available.

