

## 12 “ Aluminum & Polycarbonate Vehicle Signals

### **General:**

The North American Signal aluminum and polycarbonate traffic signal meet or exceed ITE specifications (April 1985) and are designed for minimum weight and maximum strength and durability. The design also allows the interchangeability of sections within an aluminum and polycarbonate signal set.

### **Housing:**

One piece die-cast aluminum or injection molded polycarbonate housings are built with a 5 degree 72 tooth serrated boss. Each housing has provisions for mounting of a terminal block. The openings at the top and bottom of the housing accept standard 1 1/2” pipe hardware. There are 4 attachment points for the backplate as part of each section.

### **Door:**

Die-cast aluminum or injection molded polycarbonate doors are built with 2 integrated hinge lugs that are matched to the housing. They also achieve a positive latching of the door to housing with stainless steel captive eye bolts, which allows access to the housing cavity without the use of special tools.

### **Coating:**

Die-cast aluminum signals are powder coated and are coated with an outdoor TGIC powder using the latest chemical technologies for pre-treatment to ensure the most robust coating in the market. Standard colors are Federal Yellow, Caltrans Green, and Black. Other colors available upon request.

### **Hardware:**

All internal & external hardware used is Stainless Steel.

### **Warranty:**

The North American Signal Aluminum and Polycarbonate Traffic Signals are warranted against defects in material and workmanship for 1 year from the date of original shipment.

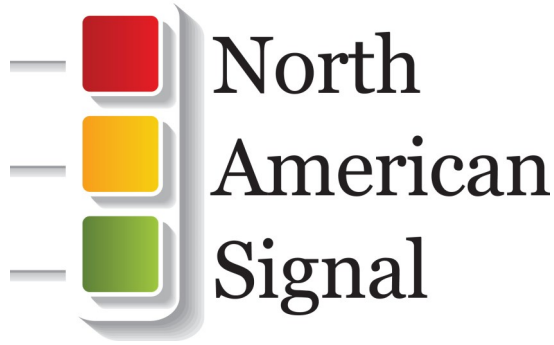
### **Assembly:**

The North American Signal die-cast aluminum and injection molded polycarbonate signals are proudly made and assembled in the USA by US owned companies.

### **Visors:**

The North American Signal Visors meet or exceed the ITE Specifications (April 1985). The Aluminum Visors are made out of 5052 Aluminum and powder coated to the specific color. The Polycarbonate Visors are made from the same material as the signal body and door are made from. Visors are available in Cap or Tunnel versions and have fast-on tabs to lock easily to the signal door.

**Weight:** Aluminum— 22.20 lbs., Polycarbonate—9.33 Lbs. (3 Sec. LED ready) **Dimensions:** 14 1/2” w x 42” t x 7” d



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### Other Information:

The North American Signal aluminum and polycarbonate traffic signal have the following additional items:

- Overall Length—41 7/8 inches
- Inside Housing Depth—6 3/4 inches (Bottom of the Housing to the top of the door)
- Backplate Mounting Holes per Section—9 inches apart per side
- Housing Door Closure Latches—9 7/8 inches apart per section
- 2 Mounting bosses internal to each section for 6 position terminal blocks
- Rubber Gaskets are installed
- Aluminum Reinforcement/Support Plates are Installed in all sections (Top & Bottom of each Section) of the Polycarbonate Traffic Signal (6 per 3 section polycarbonate signal)
- Material thickness exceeds .125 industry standard

