



Aluminum Vehicle Signals

Standard three-section 8" (200 mm) signal faces are designed for normal street and highway use where traffic moves at moderate speeds. 12" (300 mm) signal faces are recommended when a greater target effect is required. The Manual on Uniform Traffic Control Devices suggests that 12" (300 mm) signals be used in the following applications:

- (1) at intersections with 85 percentile approach speeds exceeding 40 mph (70 kmh),
- (2) at intersections where signalization might be unexpected,
- (3) for special problem locations such as those with conflicting or competing background lighting,
- (4) at intersections where drivers may view both traffic control and lane control signals simultaneously.
- (5) for all arrow indications
- 8" (200 mm) and 12" (300 mm) sections are often combined for special applications.

Single-section flashing red or yellow signals are used as beacons where traffic conditions do not warrant full-time control or where a traffic hazard exists. Single-sections, or combinations of green arrow, red X or yellow X lane control signals are used on expressways, ramps, and main arteries to provide more efficient roadway use. Single-sections also can be assembled in special combinations for toll-booths, construction barriers, parking garages, car washes, or other off-highway applications.

Specifications

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Material Die-cast aluminum alloy housing and door

(sand-cast door on lane control signals),

stainless steel hardware

Finish Zinc Phosphate primer, baked enamel finish

coat.

Reflector Snap-out assembly. Swing-out moulded

frame (lane control not on a frame).

Lamp Receptacle Heat-resistant molded phenolic, rotatable

through 360° prewired with 26" #18 AWG 105°C type TEW color-coded leads with

quick-disconnect terminals.

Wire openings between sections

Accommodates three 3/4" diameter cables.

Signal Alignment Integral 72-tooth serrated locking ring,

adjustable in 5° steps.

Overall Dimensions

8" (200 mm) Section

9.75" W x 10.00" H x 6.16" D (248 mm x 254 mm x 156 mm)

12" (300 mm) Section

13.25" W x 13.44" H x 6.44" D

(337 mm x 341 mm x 164 mm)

Lane Control Section

13.50" W x 13.50" H x 9.75" D (343 mm x 343 mm x 248 mm)

Weight 8" (200 mm) Section

7.50 lbs. (3.4 kg)

12" (300 mm) Section

12.75 lbs. (5.7 kg)

Lane Control Section

19.25 lbs. (8.7 kg)

Description

The lightweight aluminum housings, visors, and doors are equipped with stainless steel hardware. Door and lens gaskets make the signal weather-proof and dust-tight, while the integral visor rims prevent light leakage. (For details on visors and lenses, please refer to "Visors and Lenses,").

Reflectors are available in Alzak®. The lamp receptacle can be rotated 360° for filament alignment, and has quick disconnect leads for easy maintenance. To simplify alignment of the signal and assure positive locking, integral locking rings are included to provide adjustments in 5° steps. Vertical and horizontal mounting is provided for by a universal mounting arrangement. The signals are adaptable for span wire or mast arm suspension, side of pole, or post top mounting.



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