

# TRAFFIC SIGNAL HOUSING

8" Diameter  
12" Diameter  
Aluminum  
Polycarbonate

CABINETS

CONTROLLERS

DETECTION

PARKING

SIGNALS

SIGNS

SOFTWARE

SPECIALTY



1-section shown in Federal yellow



3-section shown in Federal yellow

## Overview

McCain's Traffic Signal Housings, available in eight and twelve inch varieties, provide a durable and low-maintenance housing for standard LED modules as well as McCain incandescent optical assemblies. Manufactured from polycarbonate or aluminum, the housings are compliant with multiple agency standards including the Institute of Transportation Engineers (ITE), Caltrans, and most state Departments of Transportation (DOTs). An industry leader in signal manufacturing and supply, McCain offers an extensive range of materials, configurations, and accessories, including backplates, visors, and signal assemblies, to meet your traffic signal requirements.

## Benefits

- Modular design promotes flexible configuration options: one to five sections, vertical, horizontal, HAWK (3-section cluster), and doghouse (5-section cluster)
- Fabricated from aluminum or polycarbonate with or without 10% fiberglass reinforcement
- 8" or 12" diameter
- Weathertight doors
- Custom hardware and terminal block locations available

## Product Description

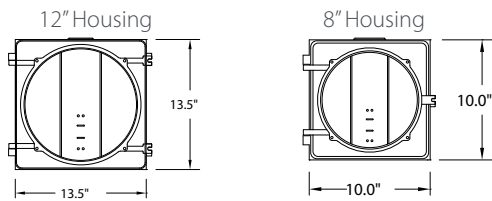
The McCain Traffic Signal Housings are modular in design, allowing a multitude of signal housing configurations for standard LEDs as well as McCain incandescent optical assemblies.

Available in polycarbonate and aluminum, each section is injection molded or cast in one piece. Reinforcement ribs and serrated ports, both top and bottom, provide strength and positive locking with other sections and mounting hardware. Positive latching of doors is achieved with stainless steel eyebolts and wing nut assemblies, and the doors feature four metal threaded inserts for visor attachment. A positive seal is assured with an E.P.D.M. rubber gasket creating a moisture-free and dust-tight atmosphere.

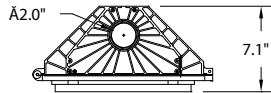
Traffic Signal Housings are compatible with McCain backplates and visors, available in both aluminum and ABS. The top and bottom ports allow installation into many framework mounting assemblies.

# Traffic Signal Housing

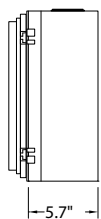
Front



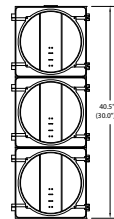
Top



Side

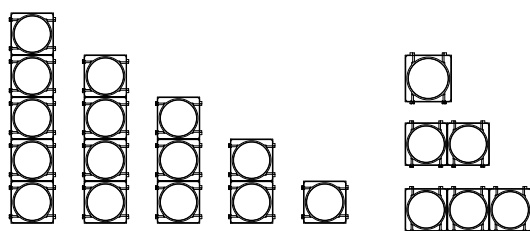


3-section



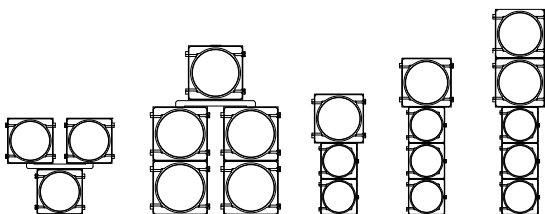
Dimensions are approximate and may vary.  
3-section 12" housing shown (3-section 8" housing height dimensions listed in parentheses)  
8" and 12" housing depths are approximately the same  
8" and 12" minor differences may not be shown

## Typical Configurations



Vertical

Horizontal



HAWK

Doghouse

Mixed Use

## Standard Features

- Modular sections, one-piece, injection molded or cast
- 72-tooth serrated boss and reinforcing ribs, top and bottom
- Brass threaded inserts for visor attachment (4)
- Housings have a cast boss for mounting a 5 or 6-position terminal block; one side of terminal block with fast-on terminals, the other side with screw terminals
- The words red, amber, and green are cast next to each boss to identify light source lead wires
- 5 or 6-position terminal block installed in center section (1) (alternate mounting is available)
- Stainless steel door roll pins and eye bolt/wing nut assemblies
- Integral lugs on the housing and doors with stainless steel roll pins provide effective door hinges
- Weathertight E.P.D.M. rubber door gasket
- Aluminum and polycarbonate, and 8" and 12" housings can be mixed in one signal head

## General Specifications

Dimensions:	8": 10" H x 10" W x 7" D
(1-section)	12": 13.5" H x 13.5" W x 7" D
Material:	Polycarbonate: Ultraviolet and heat stabilized, flame retardant, permanently colored, 10% fiberglass reinforcement
	Aluminum: Type 360, reduced corrosion, increased powder coat adhesion
Finish(es):	Polycarbonate: Colored resins integral to housing
	Aluminum: Powder coated
Color(s):	Federal yellow, signal green, black, or custom colors
Mounting:	2.0" hole top and bottom fits 1.5" NPT fittings
Environmental:	Operating temperature: -37° C to +74° C
	Humidity: 0 to 95% (non-condensing)
Shipping Weight:	Polycarbonate: 8" - 2.1 lbs    12" - 4.2 lbs
(empty, 1-section)	Aluminum: 8" - 4.0 lbs    12" - 7.8 lbs

## Options

- Fiberglass-free polycarbonate
- Location, quantity, and type of terminal blocks
- Door mounting hardware: Push pin (removable) or roll pin (permanent)
- Visors
- Backplates
- Mounting: Various framework, orientation, and configurations
- Light Source: LED or incandescent
- High-performance (highly directional) signal version