

SWARCO

McCain HEAVY-DUTY TRAFFIC SIGNAL HOUSING

12" DIAMETER
POLYCARBONATE
REINFORCEMENT KIT



The McCain Heavy-Duty Traffic Signal Housing provides a durable and low-maintenance housing, ideal for use in extreme or high-wind conditions. The housing assembly includes SWARCO McCain, Inc.'s standard polycarbonate traffic signal housing and a reinforcement kit with the necessary hardware to reinforce the signal housing, backplate, and visor. The McCain Heavy-Duty Traffic Housing is compatible with standard LED modules or incandescent optical assemblies.



Top View of Heavy-Duty Reinforcement



Back View of Heavy-Duty Reinforcement

KEY FEATURES AND BENEFITS

- Increases product durability in extreme or high-wind conditions
- Offers highly customizable options to the final signal housing color, configuration, and terminal block locations
- Provides a low maintenance and corrosion resistant solution
- Compatible with SWARCO McCain, Inc.'s full line of signal accessories

PRODUCT DESCRIPTION

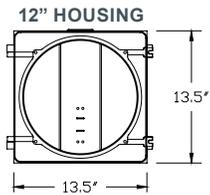
The McCain Heavy-Duty Traffic Signal Housing features a modular design, allowing for a multitude of signal housing configurations from one to five sections, vertical, horizontal, and doghouse (5-section).

Each polycarbonate section is injection molded in one piece. Reinforcement ribs and serrated ports, top and bottom, provide strength and positive locking with other sections and mounting hardware. All screw openings are drilled through and countersunk to allow for complete functionality without compromising structural integrity.

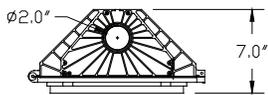
Each McCain Heavy-Duty Traffic Signal Housing assembly is accompanied by a coordinating backplate and visor(s). Stainless steel bars are added behind the backplate for additional reinforcement. Similarly, tunnel visors are reinforced with stainless steel screws and nuts. Reinforcements plates are installed at the top and bottom of the signal head or on either side of the point of attachment.

McCain HEAVY-DUTY TRAFFIC SIGNAL HOUSING

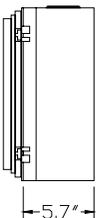
FRONT*



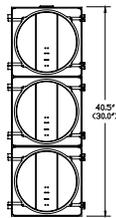
TOP*



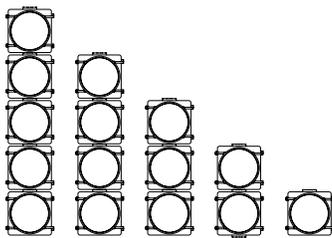
SIDE*



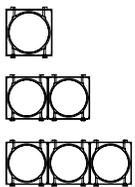
3-SECTION*¹



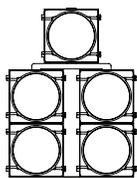
TYPICAL CONFIGURATIONS



Vertical



Horizontal



Doghouse

STANDARD FEATURES

- Modular sections, one-piece, injection molded
- 72-tooth serrated boss and reinforcing ribs, top and bottom
- 4 Brass threaded inserts for visor attachment
- Housings have a cast boss for mounting a 5 or 6-position terminal block²
- 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 section³
- 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 EPDM rubber door gasket

Reinforcement Kit

- Backplate: Stainless steel reinforcement bars (2)
- Backplate: Extra thick stainless steel washers
- Visor Mounting Tabs: Stainless steel screws and nuts (4)
- Visor Flange: Stainless steel screws and nuts (3)
- Signal Head: Reinforcement plates for top and bottom
- Stainless steel washers installed between each section⁴

GENERAL SPECIFICATIONS

Dimensions ⁵ :	13.5"W x 13.5"H x 7"D
Material:	Polycarbonate: Ultraviolet and heat stabilized, flame retardant, permanently colored, 10% fiberglass reinforcement
Finishes:	Colored resins integral to housing
Colors:	Federal yellow, signal green, black, or custom colors
Light Source:	LED or incandescent
Door Hardware:	Permanent or removable ⁷
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 ⁶ :	4.2 lbs

OPTIONS

- Fiberglass-free polycarbonate
- Location, quantity, and type of terminal blocks
- Visors
- Backplates
- Mounting: Various framework, orientation, and configurations
- Traffic Signal Visor Heater

*Drawing dimensions are approximates and may vary, minor differences may not be shown

¹3-Section 12" housing shown

²One side of terminal block with fast-on terminals, the other side with screw terminals

³Alternate mounting available

⁴Quantity Dependant on signal configuration

⁵Dimensions rounded to the nearest 0.1"; 1-section

⁶Empty with out components; 1-section

⁷Permanent with roll pins or removable with clevis pins

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SWARCO reserves the right to make changes at any time in order to supply the best product possible.

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