

# Vehicle Signals

*8 and 12 Inch  
Aluminum and Polycarbonate*

- *Low maintenance*
- *Increased durability*
- *Ability to interchange components*





# Vehicle Signals

- GENERAL:** Our unique design permits the user to interchange all of the components in the 8 inch aluminum signal head with all of the components in the 8 inch polycarbonate signal head, as well as to interchange all the components in the 12 inch aluminum signal head with all the components in the 12" polycarbonate signal head. Both 8 and 12 inch housing combined for various configurations.
- ALUMINUM:** Exceptional grade die cast from aluminum alloy. McCain's in house die casting foundry allows us complete control in maintaining the highest quality.
- POLYCARBONATE:** Injection molded from ultraviolet and heat stabilized, flame retardant, and permanently colored polycarbonate resins. To provide added strength and durability unmatched by standard polycarbonate resins, specify the optional 10% glass fiber filled resin.
- HOUSING:** Exterior grade die cast aluminum or polycarbonate injection molded in one piece to provide strength and positive locking with other signals and mounting hardware. Each housing is molded with a 72 tooth serrated boss and reinforcing ribs on top and bottom. The top and bottom also features an opening to accept a standard 1.5 inch pipe mounting hardware. 10 percent fiberglass filled polycarbonate housing have four additional knockout locations to allow use of four 10-32 x 1.5 inch machine screws as an additional means of coupling sections. All housing have a cast boss provided for mounting a 5 or 6 position terminal strip. The words, red, amber, and green are cast next to each boss to identify socket lead wire attachment.
- DOOR AND MOUNTING:** Exterior grade die cast aluminum or polycarbonate injection molded with two integrated hinge lugs mounted to the housing with two stainless steel hinge pins. Positive latching is achieved with stainless steel eyebolts and wing nut assemblies. A positive seal dust tight seal is assured with an E.P.D.M. rubber gasket fitted into the gasket channel cast in the perimeter of the door. On polycarbonate signal doors four metal threaded inserts are molded in for added strength to the visor attachment screws.
- TERMINAL BLOCK:** Each signal is provided with a 5 or 6 section 12 terminal barrier strip; one side with a quick disconnect terminal for socket leads; the opposite with a screw clamp terminal for field wiring.
- PAINTING:** All exterior surfaces of the housing, door, visors, and back plates are cleaned and "powder coated" to the highest industry standards. Powder coating is a modern "dry painting" process with an exceptionally high resistance to impact and weather. The powder is applied electrostatically then melted and fused into a smooth coating in a baking oven. Standard colors are: Dark Olive Green FS595A 14056; Fed Yellow FS595A 13538; Dull Black FS595A 37038. Color charts are available for custom colors upon request.
- OPTICAL:** The entire design permits a positive contact of the door, lens, silicone reflector, and silicone socket gasket assemblies which create a moisture and dust tight atmosphere.
- LENS:** Either glass or polycarbonate as specified. Standard lenses, (red, amber, green) meet the latest **ITE** requirements. Lenses fit into specially extruded EPDM gaskets which are placed into the door with four stainless lens clips and stainless steel screws, to create a positive seal and dust proof seal.
- REFLECTOR:** Your choice of bright specular alzak aluminum or silvered glass.
- LAMP SOCKET:** Phenolic body with serrated base to permit positive locking and adjustable positioning of lamp filament. Socket secured by reflector bail. For identification, the leads are color coded and have fast on leads to permit installation and removal without the use of any special tools. Wiring insulation conforms to conductor rating of 105°C and is 18 AWG.
- ACCESSORIES:** Visor, backplates, and various mounting assemblies are available.
- REFLECTOR RING:** Die cast aluminum ring is mounted in the signal housing using stainless steel dowel pins and a spring assembly, permitting hinging and removal of the reflector assembly without the use of any special tools.
- WARRANTY:** The McCain Vehicle Signal is warranted against defects in materials and workmanship for a period of one (1) year from the date of original shipment.

McCain reserves the right to change product specifications without notice. McCain 3/07