

*8 and 12 Inch  
Aluminum and Polycarbonate*

*The Traffic Supply's signals are designed for low maintenance and increased durability. In addition, the ability to interchange aluminum and polycarbonate components.*



**GENERAL:** Its design permits the user to interchange all of the components in the 12" aluminum signal head with all of the components in the 12" polycarbonate signal head. Included in our design is the same capability to interchange 8" aluminum signal heads with 8" polycarbonate signal heads.

**ALUMINUM:** Die cast from aluminum alloy.

**POLYCARBONATE:** Injection molded from 10% glass reinforced, ultraviolet stabilized, permanently colored, flame retardant polycarbonate resins, (GE Lexan)

**HOUSING:** Die cast aluminum or polycarbonate injection molded in one piece. To provide strength and positive locking when using the self locking fittings, each housing is molded with a 5° serrated boss and reinforcing ribs top and bottom. Also on top and bottom an opening to accept standard 1 1/2 inch pipe hardware. Polycarbonate housings have four additional knockout locations to allow use of four 10-32 x 1 1/2" machine screws as an additional means of coupling sections. All housings have a



## StarAccess™ Vehicle Signals VSV-1

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. The modular design permits coupling of various 8 and 12 inch signal configurations.

**DOOR AND MOUNTING:** 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 moisture proof and 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.

**REFLECTOR:** Bright specular alzak aluminum. (Standard) Silvered glass in stock. (Optional)

**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.

**LENS:** Either LED, 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 moisture and dust proof seal.

**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.

**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.

**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.

**VISORS:** Formed from aluminum alloy. Visors mount with 4 stainless steel screws to the face of the door. "Twist-on type" full circle, tunnel, angle, or cap visors available, as specified. Polycarbonate visors are one piece molded and have twist-on attaching ears to match aluminum visors.

**PAINTING:** All exterior surfaces of the housing, door, visors, and back plates are cleaned and "powder coated" or painted to your specifications. Powder coating is a modern "dry painting" process with an exceptionally high resistance to impact and weather. The powder is applied electro statically 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.

**WARRANTY:** The Traffic Signal is warranted against defects in materials and workmanship for a period of one (1) year from the date of original shipment.