

# Incandescent Pedestrian Signal



*The McCain Incandescent Pedestrian Signal is designed to meet and exceed ITE standards, and offer low maintenance and increased durability. Components are compatible with standard signal hardware and are interchangeable with existing units of similar construction.*

## HOUSING

The housing is die cast aluminum alloy or injection molded ultraviolet stabilized, permanently colored, flame retardant polycarbonate resins. Two equally spaced mounting lugs are integrally cast into the top and bottom, permitting the door to hinge from either direction. All interior mounting locations will be symmetrically positioned, allowing the rotation of components when using the bi-directional McCain "Quickmount II" or Clamshell. Each housing has a 72 tooth serrated boss at each end for use with standard signal hardware. Each boss has reinforcing ribs projecting the load bearing stress to the entire housing.

## VANTAGE DOOR™

Injection molded from ultraviolet stabilized, flame retardant, permanently colored, black polycarbonate. Our unique design incorporates the Vantage Visor™ with the signal door to create a one piece superior system. The Vantage System™ assures the pedestrian the optimum message display with the least restriction. The Vantage Visor is a network of horizontal and diagonal louvers equally spaced which in turn create precisely shaped cells that provide optimum sun and vandal protection. Unlike formed and chemically welded, crate type visors, the Vantage Visor is one piece injection molded. This process assures superior uniformity and strength, essential under changing conditions. The entire Vantage System provides the user with a single piece corrosion proof and vandal resistant signal face that will be maintenance free for many years of service.

## LAMP SOCKET ASSEMBLY

The lamp socket assembly consists of two porcelain lamp sockets, an aluminum heat dissipating mounting plate, and a terminal block. The lamp sockets are precisely located to align the filament of an A21 traffic signal lamp in the prefocused position of the parabolic reflector. The Man/Don't Walk socket leads have one orange in color and one white in color. The Walking Man/Walk leads have one blue in color and one white in color. The white wires are connected together as the common. The terminal block is a three position barrier type.

## ALUMINUM DOOR

Cast from aluminum alloy. The signal doors are machined and powder coated as described in the painting specification.

Mounting of the Vantage Door and Aluminum Door will be through the use of stainless steel detent type clevis pins and eyebolt/wingnut assemblies. The door and eyebolt assemblies can be removed and rotated without the use of any tools. This function becomes apparent when using the "Quick Mount" bi-directional hardware, thus eliminating the need for left or right mountings.

## LENS

The lens has a message displayed when the signal is illuminated. The size and color conforms to the latest ITE standards. The international symbols and word legend are available. The Hand/Don't Walk is Portland Orange in color and the Walking Man/Walk is Lunar White in color. The entire area around the legend is blacked out and free of any light projecting through in areas other than the legend. There are two types of lens materials available.

A. STANDARD - 0.187" tempered glass with one side textured for even light distribution. This lens has a ceramic fired mask to ensure permanent adhesion to the glass.

B. OPTIONAL - 0.250" Protect-a-Glaze® Lexan® with a textured finish for even light distribution. This lens has an organic painted mask to ensure proper adhesion to the lens.

Both lenses are fitted into the Vantage System and fitted with a one piece EPDM Sponge Gasket.

## REFLECTOR

The reflector is a polycarbonate double parabolic type which is injection molded. Reflective coating is applied by vacuum metal deposition. After aluminum deposition, a clear hard coating is applied to resist wear and scratching. The two parabolic cavities are separated by a divider which is part of the reflector and silicone gasket. The divider mates with the lens to prevent false illumination of the unlit message.