

Field Terminal Assembly

The field terminal assembly includes a 3-terminal pair (6 screw) type terminal block for termination of the three field wires for AC (+) for the HAND display, AC (+) for the WALKING PERSON display and AC (-). Connected to the opposite side of these terminals is a pigtail lead. The free end of each lead is terminated with an insulated female quick disconnect socket that mates with the male lug, supplied on the message module. The field terminal assembly includes an aluminum base plate that is bolted to the signal housing.

LED Option

The LED module is a fully encapsulated LED HAND/MAN module. The LED PC board is enclosed in a plastic module and is mounted to be impervious to shocks generated during shipping, handling, and installation. In order to facilitate installation and maintenance, the signal is designed so that the LED message module is removable and the field wiring terminals are readily accessible from the front by merely opening the signal door. The rear of the tray provides three male quick disconnect lugs for connection of AC (+) for the HAND display, AC (+) for the WALKING PERSON display and AC (-). The tray is sealed with a 1/8" (3mm) clear, UV stabilized, refraction type, 3/16" polycarbonate lens which is weather, craze, and heat resistant. The module is further sealed with a one piece EPDM neoprene gasket fitted around the perimeter to provide positive protection of the enclosed LED's and electronics from handling, weather, and moisture. Removal and insertion of the module does not require the use of tools.

Messages are displayed in the portland orange "HAND" and the white "WALKING PERSON", illuminated by multiple configuration light emitting diodes (LED's). The "HAND" and "WALKING PERSON" symbols are each a minimum of 12" in height and 7" in width and are configured as shown in the Manual on Uniform Traffic Control Devices (MUTCD).

Solar Screen Visor Option

The Solar Screen visor option is designed to eliminate sun phantom, and minimize damage to the LED signal module.

The Solar Screen visor is installed parallel to the face of the "HAND/WALKING PERSON" symbol. The Solar Screen visor assembly is held in place by the use of stainless steel screws.

The Solar Screen assembly consists of a minimum of 20 straight horizontal louvers and 21 zigzag pattern horizontal louvers.

Warranty

The entire pedestrian signal, including LED's, solid state control, and polycarbonate parts, are warranted for one (1) year from the date of original shipment against defects in workmanship and/or materials.

Dimensions and Weight

The maximum overall dimension of the signal is 18" W x 16.5" H x 7" D (457 x 419 x 178 mm), including the Solar Screen type visors and hinges. The distance between the mounting surfaces of the upper shurlock and the lower shurlock openings is 16" (406 mm). The weight of the signal, excluding mounting hardware, is 23 pounds maximum.

LED Specifications

Voltage Range 80V to 135V AC; normal 120V AC (less than 10% variation in intensity).

- Power - maximum 15 Watt Hand; maximum 10 Watt Man.
- Operating Temperature - -40°C to +74°C.
- Storage Temperature - -40°C to +93°C.
- Power Factor Correction - >0.90.
- Total Harmonic Distortion - <20%.
- Dimensions - 18" x 16" x 4.5".
- Conforms to all applicable ITE requirements.
- Fuse and transient suppressor incorporated for line and load protection.
- LEDs interconnected to minimize effect of LED string failure.
- Special configuration eliminates LED "hot spots".
- Meets or exceeds NEMA Moisture Resistance STD 250-1991 for Type 4 enclosures (ITE 6.4.6.2 Moisture Resistance).
- Reduced maintenance.
- Outlasts incandescents and neon.

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