SQ3TS® Component Options

PTS UPGRADE KITS

MESSAGE BOARD INTERFACE SYSTEM

Horizon Signal Systems can wirelessly interface with most major brands of message board to provide motorists with an advanced warning of upcoming traffic signals. Customized messages such as "Red Signal Ahead" are activated by signal status and indication changes.

ADVANCED REMOTE MONITORING SYSTEM

The Advanced Remote Monitoring (ARM) System allows an authorized user to monitor an entire fleet of Horizon Portable Traffic Signals for location, battery voltage, operating hours and system status. The ARM system will send alerts if a signal is moved, battery voltage is low, or a system fault is detected.

WIRELESS INTERFACE SYSTEM

The Wireless Interface System allows the SQ3TS System to be wirelessly operated from a street corner controller. The System allows for easy signal substitution of a permanent signal in the event of a knockdown or traffic pattern reconfiguration. An SQ3TS Signal with Wireless Interface can be deployed in under 30 minutes.

CLEARANCE TIME EXTENSION

The Clearance TIme Extension System ensures all vehicles have cleared the zone before allowing the next programmed green interval. If traffic has not cleared the zone, the Clearance Time Extension System will increase the programmed red time until all vehicles are clear.

GENERATOR ENCLOSURE

The Generator Enclosure provides backup power for Portable Signal Systems operating in areas with limited solar collection capabilities. The unit features a lockable coupler to allow for storage on the rear of the SQ3TS Trailer to keep the unit out of sight. The enclosure is designed to be used with the Honda EU2000i generator.

RAILROAD PRE-EMPTION

The Railroad Pre-Emption System preempts the active signal program in the event of a train intersecting the work zone. The system is activated by the railroad crossing gate controls via a hard-wired or wireless connection. All signals within the system revert to a solid red indication at the same time the railroad gates are activated.

WAIT TIME / FAULT DISPLAY

This dual-purpose component displays current wait time until the next green indication, and also displays an alert message in the event of a signal fault. A small changeable message sign is installed on the SQ3TS trailer and interfaces directly with the Horizon multi-phase controller to display data in real-time.
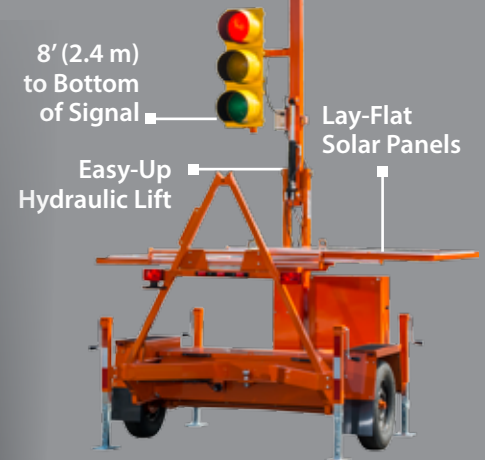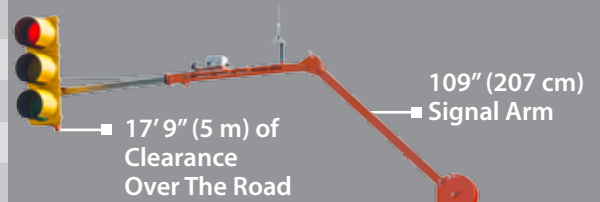
TURN ARROW SIGNAL HEAD

MUTCD compliant turn arrows can be added to the SQ3TS Portable Traffic Signal System. This addition makes for easy, safe traffic flow through intersections during construction, annual events and seasonal traffic.
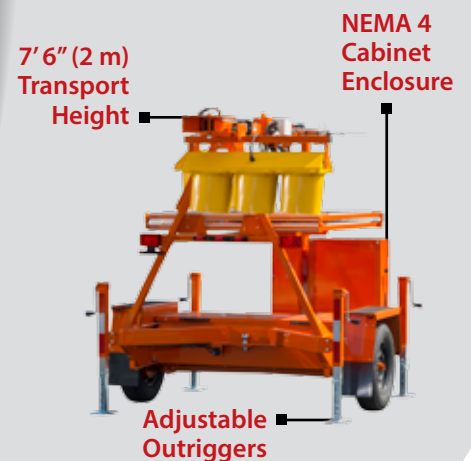
SQ3TS® System

SPECIFICATIONS

Signal Lamp	Type 12" (300 mm) dia LED
Signal Arm Extension	68 to 109" (173 to 277 cm)
Solar Charge	440W min
Power Source	12V /(16) 6V batteries
Tow Height	89" (226 cm)
Trailer Width	85" (216 cm)
Trailer Weight	3000 lb. (1361 kg)

17' 9" (5 m) of Clearance Over The Road

109" (207 cm) Signal Arm

8' (2.4 m) to Bottom of Signal

Lay-Flat Solar Panels

Easy-Up Hydraulic Lift

CUSTOM SIGNAL HEAD LOCATIONS
Horizon Signal Technologies can mount signal heads in a variety of configurations to meet guidelines and local codes. Signal Heads can be ordered in yellow or black and with or without blockouts.

EASY TO DEPLOY

The SQ3TS Portable Traffic Signal is equipped with a one-touch, easy-up hydraulic lifting system to make deployments simple.

7' 6" (2 m) Transport Height

NEMA 4 Cabinet Enclosure

Adjustable Outriggers

DISTRIBUTED BY

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