

# COMPONENT OPTIONS

## WIRELESS INTERFACE SYSTEM

**PROVIDES RAPID TEMPORARY SIGNAL**

**HOOK-UP TO PERMANENT TRAFFIC CONTROLLERS**

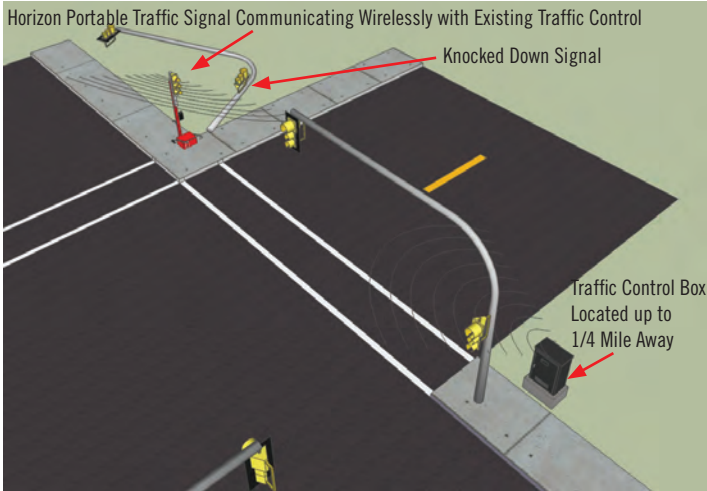


Horizon Portable Traffic Signals have been engineered to be component based systems. Add-On components are available to enable designers and engineers to meet their specific project requirements. The Wireless Interface System allows a Horizon Signal System to be wirelessly operated by a standard street corner controller. This system allows for a quick and easy temporary signal substitution of a permanent signal in the event of a knockdown, relocation, or traffic pattern reconfiguration. The Horizon Portable Traffic Signal can be connected to the street corner controller within 30 minutes.

- Full Conflict Monitoring of Remote Signal
- Communicates Up to ¼ Mile from Control Cabinet with External Antenna
- Simple Wireless Connection from Horizon Signal Trailer to Street Corner Controller



## How It Works



The Wireless Interface System is engineered to work with any NEMA compliant traffic controller. Separate transceiver modules are connected to the street corner controller and the Horizon Portable Traffic Signal. The two transceiver modules will then communicate wirelessly with the Horizon Signal replacing the missing phase or providing an additional phase. The Horizon Signal is also able to be monitored by the street corner controller's conflict monitor while in operation. The Horizon Signal equipped with the Wireless Interface System has an operating range up to a 1/4 mile of the street corner controller.



## OTHER OPTIONS

### Pre-emption System

The Pre-Emption System provides a green phase in the direction of an approaching emergency vehicle. Indication lights will confirm the system is functioning. Actuation is accomplished through optical communication.



### Remote Monitoring System

Allows an authorized user to monitor any Horizon Signal System's location, battery voltage, operating hours and system default from any internet enable source. The RMS will also send authorized users text messages / e-mail alerts in the event a signal is moved, battery voltage is low or if there is an interruption in communication.



### Pedestrian Signals

Pedestrian Signals can be added to the SQ3TS trailer mounted signal system or the SQ2 cart mounted signal system. They can also be used as a stand alone cart mounted indication for flexible placement. Horizon pedestrian signals conform to MUTCD Standards and are available with a push button actuation.



### Hand Held Remote

A hand held remote can be used to control the signals in the manual handling mode. This allows the user to stop traffic at anytime by switching signals to manual and controlling which phase goes green.



### Pilot Car / Flagger Module

Allows a pilot car driver to operate the Horizon signal system remotely using a hand held transmitter. The operator can provide a green indication to a phase of traffic for a pre-prescribed time, after which the signal reverts to an unlimited red indication.



General specifications for the Wireless Interface System are subject to change without notice to reflect improvements and upgrades. Additional information is available. Contact Horizon Signal Technologies for details.



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