

COMPONENT OPTIONS

PRE-EMPTION SYSTEM

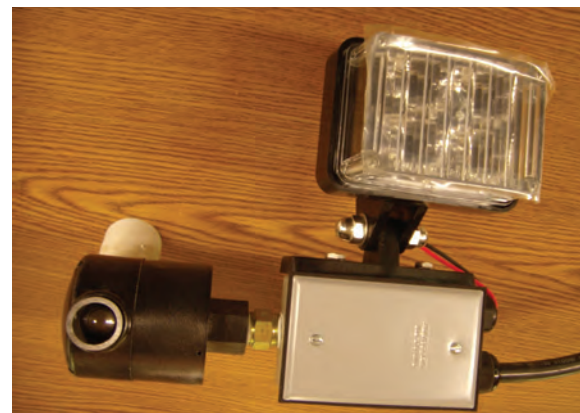
ALLOWS EMERGENCY VEHICLES PRIORITY BY CHANGING TRAFFIC SIGNALS IN THE PATH OF THE VEHICLE TO GREEN



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.

Traffic Signal Pre-emption Systems have been developed to preempt the normal operation of traffic signal systems in order to provide a green indication in travel direction of emergency vehicles. The use of pre-emption systems on permanent traffic signals have reduced response times of emergency personnel and increased safety.

Horizon Portable Traffic Signals can be equipped with a modular add-on pre-emption system. We have employed known proven technology to offer pre-emption as an option on all of our portable traffic signal systems.



How It Works



The Horizon pre-emption system is activated by emergency vehicles equipped with appropriate optical emitters. Optional handheld emitters are an available option. The emergency vehicle approaching the traffic light sends a signal via the optical emitter. The signal is received at the traffic light and triggers a pre-emption of the currently operating program. A confirmation light on the traffic light is illuminated providing a confirmation that the pre-emption command has been accepted. Conflicting traffic lights within the traffic signal setup are changed to red. After appropriate red clearance times expire the traffic signal in the direction of the approaching emergency vehicle will change to green allowing the emergency vehicle to move safely through the traffic signal setup. After the emergency vehicle passes safely through the traffic signal setup the traffic signals will resume normal operation beginning with the all red clearance phase.

General specifications for the Pre-Emption 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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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.

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