



Emergency Vehicle Pre-Emption Module

COMPONENT OPTIONS



GIVES PRIORITY GREEN TO EMERGENCY VEHICLES

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 available as required.

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. Once the emergency vehicle has cleared the area, the Horizon Signal System will resume normal operation after an all red clearance interval.

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