



## LOCOMOTIVE

# Q2518 – Locomotive Alerter System Controller

Siemens Q518 Locomotive Alerter System Controller provides a Locomotive Engineer reset timer which assures the locomotive crew is attentive to the operation of the locomotive at all times.

Unit is used in conjunction with the Siemens Q2505 Alerter Light/Horn unit or Siemens QSI Series Speed Indicators to provide visual and audible signals to the locomotive crew.

In the event that the crew is unable to continue to operate the locomotive, and have not responded to the alerter system visual and audible alarms, the alerter system will initiate a penalty brake application of the train brakes.

Under normal operating conditions, the alerter system does not interfere with the customary activities of the engineer since the alerter system is reset by all of the train crew operated locomotive controls.



*Q2518 Locomotive Alerter System Controller shown for reference purposes only. Actual unit selected may vary in mounting and features.*

## Physical Data

Specification	Parameters
<b>SERIES DESIGNATION</b>	<b>MODEL Q2518</b>
Height	9.58 in (24.33 cm)
Width	9.68 in (24.59 cm)
Depth	9.25 in (23.50 cm)
Weight	14.00 lb (6.35 kg)

## Environmental Data

Specification	Parameters
<b>SERIES DESIGNATION</b>	<b>MODEL Q2518</b>
Operating Temperature	-40 °F to +160 °F (-40 °C to +70 °C)
Humidity ( <i>Maximum</i> )	90% non-condensing

## Ordering

<b>To Order Call</b>	<b>1 (800) 793-7233</b>
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## Features

- Provides full redundancy by incorporating two microprocessors to not only monitor all inputs to the unit but also control half of the units visual indicators and one of the two audible horns.
- Provides Speed Dependent Timing Cycle which allows the locomotive speed signal to vary unit's timing cycle. As the speed of the locomotive increases, the timing cycle decreases.
- Includes Body on Board (BOB) function which requires one (1) acknowledgment by locomotive crew of the visual and audible alarm indications before the system will increase the timing cycle above its most restrictive setting. This ensures that a minimum distance will be traveled if the locomotive brakes are released without a crew member on board that is capable of operating the locomotive.
- Includes Repetitive Reset Disable which monitors the manual reset switch input for the presence of repetitive inputs. Any mechanical or electrical means of providing repetitive resets to the manual reset switch input will not be processed as a valid timing or alarm cycle reset.
- Features a self test mode, allowing railroad maintenance personnel to quickly evaluate all functions and reset inputs.
- Features a modular design, which allows each component of the unit to be changed quickly, when required.

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