

# Technical Bulletin

## Subject

Littelfuse/Cole Hersee Standard Low Voltage Disconnect and Solid State Relay Series (LVD/SS Relay)

## Background

SAE J1455 and J1113 are industry standards for the Heavy-Duty Vehicle Market and Littelfuse tests and holds our LVD/SS Relay to these high standards.

In some instances environmental conditions can combine in ways that may adversely affect LVD/SS Relay operation and shorten product life. Good electrical practices should be followed when locating and wiring your LVD/SS Relay to ensure proper operation and a long product life.

## What products are included

48510  
48510-BX  
48510-02  
48510-03  
48512  
48512-BX  
48512-WBXP  
48521  
48521-02  
48521-BX



## What our customers should do

These products are rated to SAE J1455 and J1113 and the electronics are internally sealed to IP67. However, battery voltage is still present on the exposed studs above and below the unit. As such, common electrical considerations should be taken into account when determining the physical location and wiring of the LVD/SS Relay, including locating the LVD/SS Relay in a normally dry environment and away from direct heat sources. In keeping with good electrical practices, the LVD/SS Relay should not be subjected to continuous or prolonged exposure to water, salt spray, or to direct heat sources.

If your product is routinely exposed to these elements please contact your local Littelfuse representative for further discussion.

## For additional information

For more detailed information or for any questions please contact the Littelfuse engineering department at 617-464-8932 or [bcrispim@littelfuse.com](mailto:bcrispim@littelfuse.com)