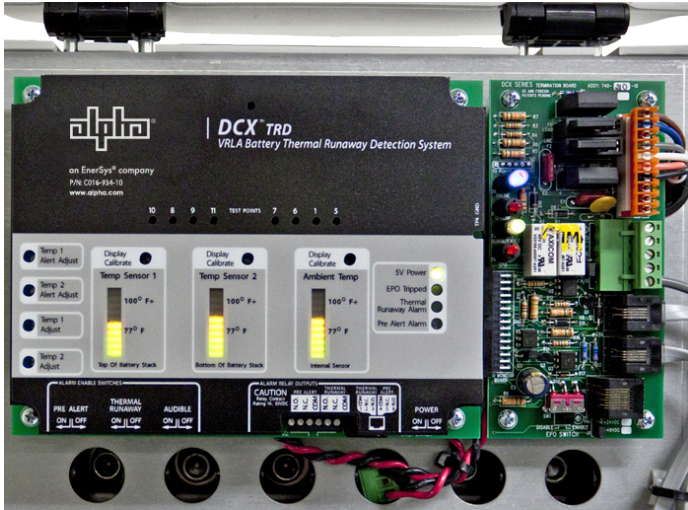




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# TRD

## VRLA Battery Thermal Runaway Detection System For DCX™ Series Battery Disconnects



- Modular, hot-swap circuit card assembly
- Two remote temperature sensor probes
- Integrated bar graph display
- Pre-alert and thermal runaway visual LEDs and alarm relay contacts
- Optional self-disconnect feature
- Emergency power off trip during thermal runaway event
- Selectable NO/NC alarms
- Kit hot swaps into any existing DCX disconnect system

### **New NFPA and local state fire codes now specify the use of a thermal runaway detection system for VRLA batteries to provide the ability to detect and alert if the battery system has a thermal fault developing or in process.**

In addition, many local municipalities have added the requirement that if thermal runaway is detected, the battery system must automatically be disconnected from the charging and load circuit without requiring manual intervention. The TRD (Thermal Runaway Detector) system complements our DCX™ series battery disconnect systems to create the only self-contained Telecom grade thermal

runaway detection and auto-disconnect system which comply with both NFPA and state/local fire codes for VRLA battery installations.

The TRD controller circuit monitors temperature in three locations to analyze and determine if the VRLA battery system is approaching or is a thermal runaway condition. Two remote battery terminal sensors are compared against an internal reference temperature sensor and the differential is analyzed. Should a thermal fault be detected, the system alerts this status.

The TRD option is a kit that consists of a plug-in circuit card and control panel assembly, two remote temperature sensors, and cable. The TRD can be installed in any DCX disconnect unit.

# TRD VRLA Battery Thermal Runaway Detection System Specifications

## Mechanical

<b>Dimensions W x H (in/mm):</b>	7.25 x 5.5 / 184 x 140
<b>Mounting:</b>	Via mounting to DCX circuit board expansion connector

## Model Configurations

Part Number	Description
C016-934-10	TRD Thermal Runaway Detection Kit <ul style="list-style-type: none"> <li>• Mounting Hardware</li> <li>• (2) Remote Temperature Sensors*</li> </ul>

\*Various temperature sensor kits are available depending on the battery type being monitored. Contact Sales or Support to ensure you receive the correct kit with your TRD kit purchase.

## Temperature Sensors

Part Number	Description
C740-404-10	Standard Temperature Sensor
C740-405-10	Temperature Sensor for C&D Batteries



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