



## PURPOSE

In some instances, Fike control panels (i.e. SHP-Pro™, Cheetah Xi™, and CyberCat™) that are equipped with 7 to 18 Amp Hour (Ah) batteries will report a nuisance battery fault even though the batteries are connected and fully charged. It has been determined that this is due to the method used by the panel to perform battery charging supervision. During battery charging, the panel continually checks for the presence of a small charging current (300 micro amps). If the charging current drops below this threshold, a “Battery Trouble” is reported.

This problem has been isolated to systems equipped with 18 Amp Hour and smaller batteries. Depending upon the battery manufacturer, batteries may not draw enough current (greater than 300 micro amps) to prevent the battery charging circuit from reporting a “Battery Trouble” once they are fully charged. The 10-2811, Battery Supervision Assembly adds a small amount of resistance to the battery charging circuit to satisfy the minimum supervision current flow requirements.

## ASSEMBLY INSTALLATION

The following wiring diagram details how to properly install the 10-2811, Battery Supervision Assembly. The assembly uses piggy back style spade connectors to facilitate easy connection to the battery terminals. While testing battery supervision, leave the assembly connected across the battery terminals.

**NOTE:** Do not connect the battery supervision assembly directly to the control panel’s battery charging screw terminals.

