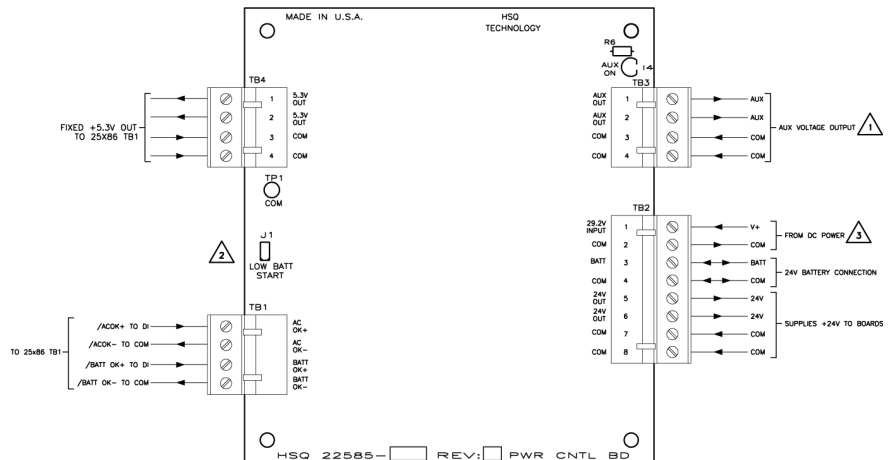


Key Features

- ◇ Monitoring and Switching for Battery-Backed RTUs
- ◇ Automatic Switching
- ◇ Optically Isolated Status and Control Lines
- ◇ Failsafe Against Deep Battery Discharge



Model 2585 connection diagram

The HSQ Model 2585 board provides monitoring and switching capabilities for battery backed RTUs. It provides a battery charging circuit with current limiting at 1.25 amps. When the 2585 detects a power failure, it automatically switches the RTU to its battery backup, assuring smooth and continuous operation. The 2585 features optically isolated power status and battery status lines. The battery disconnect circuit contains a fail-safe mechanism which guards against deep battery discharge. The 2585 monitors the battery voltage and disconnects from the battery at 19 volts to prevent damage to the battery and reconnects the system to the battery once the battery is recharged to 24 volts. Also featured onboard is a fixed voltage regulator for 5.3 volts and an adjustable regulator for 5.3, 9, 10, 12, 13.6, 15, 16, 18, or 24 volts.

SPECIFICATIONS

General

- **Power:** **Input/Output:** 29 V_{DC}, 10 A maximum
Optional Regulator: 13.6 V_{DC}, 2.5 A maximum
Other Outputs (5 – 18 V_{DC}) available
Output 1: +5 V_{DC} @ 5 A
Output 2: +12 V_{DC}, +13.6 V_{DC} @ 2.5 A
- **Connections:** Plug-in type terminal blocks for up to 12 AWG wire

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Humidity:** 10 – 90% RH (non-condensing)
- **Dimensions:** 114 x 127 x 51 mm (4.5 x 5 x 2 in.)