

DC SMARTStart®

Remote/Local Power Management System



The DC SMARTStart® is a -48, +12, or +24/+28 VDC power distribution and circuit protection unit designed to reliably cycle power to devices with DC power supplies. This advanced unit has specialized electronic switchable solid state breakers to provide a true remote power cycling capability. The DC SMARTStart® PDU will

permit the network operator the ability to power cycle all 12 solid state breakers as well as the 2 ROCB mains breakers. There are numerous remote operated circuit breaker values available that provide primary current protection to the PDU and downstream equipment controlled by the PDU.

This PDU features a Visual Basic Interface to program the power up/down sequence and power up/down delays for each channel, along with the LVD and OVD thresholds. Operational control is performed either manually by front panel push buttons or remotely through either an RS-232 serial console port 10/100 BASE-T or LAN TCP/IP socket or telnet session.

Features & Capabilities

- -48, +12, or +24/+28 VDC units
- Monitors line voltage, circuit breaker status, and internal temperature of PDU
- Solid state electronic circuit breaker technology
- Reverse polarity protection
- LVD & OVD using user defined values
- Independent programmable power on/off sequencing delays to reduce/manage the level of inrush current transients
- Onboard 6 month event log
- Flash upgradable in the field without disruption of power to loads
- Remote control capability by means of LAN TCP/IP socket, Telnet connection or RS-232 serial console port
- UL listed and NEBS Level 3 certified
- Complies to FCC and CE requirements



ARMU

Advanced Remote Monitoring Unit



The Advanced Remote Monitoring Unit is an excellent complement to the DC SMARTStart® PDU or can be used as a stand-alone monitoring device for DC loads. The ARMU is a -48, +12, or +24/+28 VDC unit that is capable of monitoring current on up to 12 DC channels. The user is able to set SNMP traps for each of the current reading values. This advanced unit was designed to be as accurate as a scientific measuring device to provide our customers optimum reliability.

Features & Capabilities

- -48, +12, or +24/+28 VDC units
- Available in 4, 6, 8, 10, or 12 channels
- Measures current for up to 12 channels
- SNMP traps for each of the current reading values
- Flash upgradable in the field without disruption of power to loads
- Remote control capability by means of LAN TCP/IP socket, Telnet connection or RS-232 serial console port



DC SMARTStart® & ARMU Typical Applications

- Defense Mobile Command Vehicles
- Unmanned Vehicles & Vessels
- Mobile Command Posts
- Communications & Telemetry Cases
- Portable Communications Equipment
- Rapid Deployment Racks / Transit Cases

