

LEACH[®] INTERNATIONAL CORPORATION

SOLID STATE POWER DISTRIBUTION UNIT

The PDA-178 is a ruggedized solid state power management unit that distributes 28 VDC system power to 40 channels while providing protection for each output. Can be used as a standalone electrical system or integrated with other avionics for additional functionality. Flexible software allows for smart features and customizable scenarios. Analog and discrete I/O can be used for monitoring and control capabilities as well as reporting over the CAN bus.



Features

- 40 channels at 7.5A each
- 36 analog inputs
- Two 2.5A proportional solenoid drivers & two analog outputs
- Programmable operating modes and trip curves
- Built-in-test at power-up, during continuous operation, or in manual mode
- Dual CAN J1939 interface
- User programmable API software

Benefits

- Multi-channel configuration
- Microprocessor-based technology
- IP-67 compliant
- MIL-Spec connectivity
- Passive cooling
- Small footprint & light-weight (< 6 lbs.)
- Line replaceable unit

Applications

- Designed for multiple industries
- Protect auxiliary electronic equipment
- Ability to link multiple units
- Manage load usage and behavior
- Communicate load conditions to systems
- Upgrade for legacy systems

Characteristics & Options

- Operating Voltage: 28 Vdc
- Operating Position: Any orientation
- Unit & GUI interface customization
- ARINC 485 and/or Ethernet
- Parallel channels to increase current rating
- I²T protection

This document is designed for initial selection and comparison of products. Please contact Leach International Corporation for further information or for a LEACH[®] Product Control Drawing (PCD)

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