



PDM-4x12

STYLE

The Power Distribution Module (PDM) is an ES-Key node designed to allow a designer the ability to utilize the product within the ES-Key electrical system network. The module responds to commands to activate its physical outputs and reports the state of its inputs back to the network.

Features

The Power Distribution Module (PDM) is an ES-Key node designed to allow a designer the ability to utilize the product within the ES-Key electrical system network. The module responds to commands to activate its physical outputs and reports the state of its inputs back to the network. The module has up to 12 outputs of which 4 of the outputs can be configured as polarity selectable inputs. It also has the 4 Multi-Function Input (MFI) circuits. MFI input circuits can be configured as 0-5 VDC, 4 to 20 mA, resistive or frequency inputs.

Applications/Solutions

- Emergency Responder OEMs
- Engineered Solutions
- Fire OEMs
- Firefighting - Airport (ARFF)
- Firefighting - Industrial
- Firefighting - Structural
- Firefighting - Wildland Forestry
- Rescue - EMS
- Specialty Vehicles
- Up to 12 positive polarity solid state outputs (7.5 Amps each)
- Up to 4 ground solid state outputs (0.25 Amps - each configured ground output takes the place of a positive polarity output)
- Up to 4 polarity selectable inputs (each configured input takes the place of an output)
- Digital Circuit Breakers on all positive polarity outputs
- Output PWM control
- Output FLASH control



Specifications

Country of Manufacture	US
Width	4.680" (118.80 mm)
Height	5.240" (133.10 mm)
Depth	1.420" (36.07 mm)
Volts	+9 VDC ... +32 VDC
Amperage	65 mA (13.8 VDC) / 85 mA (27.6 VDC)
Can Specification	SAE J1939 proprietary, 250 Kbits/second
Enviromental Range	IP 67

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Temperature range

- -40°C...+85°C

Electrical protection

- Reverse voltage protection (stud and pin 12)
- CAN buses protected to 24V
- ESD voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Load dump voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Outputs protected for short circuit and thermal overload