

## PDM-8

### 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. The module has 8 outputs of which 4 of the outputs can be polarity selectable or configured as polarity selectable inputs.

### 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 8 outputs of which 4 of the outputs can be polarity selectable or configured as polarity selectable 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 8 positive polarity solid state outputs (7.5 Amps each)
- 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	4.580" (118.80 mm)
Height	5.240" (133.10 mm)
Depth	1.420" (36.07 mm)
Volts	+9 VDC ... +32 VDC
Amperage	62 mA (13.8 VDC) / 83 mA (27.6 VDC)
Can Specification	SAE J1939 proprietary, 250 Kbits/second
Environmental 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