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## **Life Racing PDU32 Power Controller**

<b>General</b>	<b>Microprocessor controlled power switching, monitoring and fusing unit</b> <b>Fully calibratable input to output schematic mapping with latch, flash, and logic functions</b> <b>Fully configurable inrush current, high current and low current trips</b> <b>Control and diagnostic communication with ecus, datalogging or telemetry equipment</b>
<b>Outputs</b>	<b>32 switched power outputs with individual trip configuration</b> <b>Current monitoring on all outputs available on datastream or pc</b> <b>Maximum current per output 30A continuous, 45A for short periods</b>
<b>Inputs</b>	<b>32 logic inputs with configurable pull up/down, active low/high, validation time and debounce time</b> <b>4 Voltage level inputs with configurable switching set points</b> <b>32 soft inputs via CAN with configurable validation time and debounce time</b>
<b>Temperature</b>	<b>Internal temperature monitoring</b>
<b>Fault Pin</b>	<b>Single pin fault indicator lamp output and reset input</b>
<b>Interfaces</b>	<b>Ethernet for pc configuration and monitoring connection</b> <b>CAN 2.0B interface for communication with other controllers or logging systems</b> <b>RS232 serial interface for communication with other controllers or logging systems</b>
<b>Power Supply</b>	<b>5 to 26.5V or 10 to 32V input voltage range</b>
<b>Physical</b>	<b>4 Deutsch Autosport or MIL connectors</b> <b>CNC machined, 'O' ring sealed, anodised aluminium case</b> <b>Maximum dimensions 208 x 120 x 30 mm (plus connectors)</b> <b>Total mass 885 grams</b>