



Life Racing PDU Power Controllers

PDU32



PDU8



General: Microprocessor controlled power switching, monitoring, fusing unit
 Programmable input to output mapping with latch, flash, and logic functions
 Programmable inrush current, high current and low current trips (each output)
 Control and diagnostic communication with ECUs, Data Loggers or telemetry systems

Outputs: Switched power outputs with individual trip configuration
 Quantity: PDU32 - 32 outputs; PDU8 - 8 outputs
 Current monitoring on all outputs available on CAN or RS232 data stream or PC
 Maximum current per output 30A continuous, 45A for short periods
 Maximum current source per unit: 300A – PDU32, 200A – PDU8

Inputs: Logic inputs with configurable pull up/down, active low/high, validation and debounce time
 Soft inputs via CAN with configurable validation time and debounce time
 Quantity: PDU32 - 32 Logic inputs & 32 CAN Inputs; PDU8 – 8 Logic inputs & 8 CAN)

Fault Pin: Single fault terminal, controls indicator lamp output and reset input

Interfaces: Ethernet for PC configuration and monitoring connection
 CAN 2.0B interface for communication with other controllers or logging systems
 RS232 serial interface for communication with other controllers or logging systems

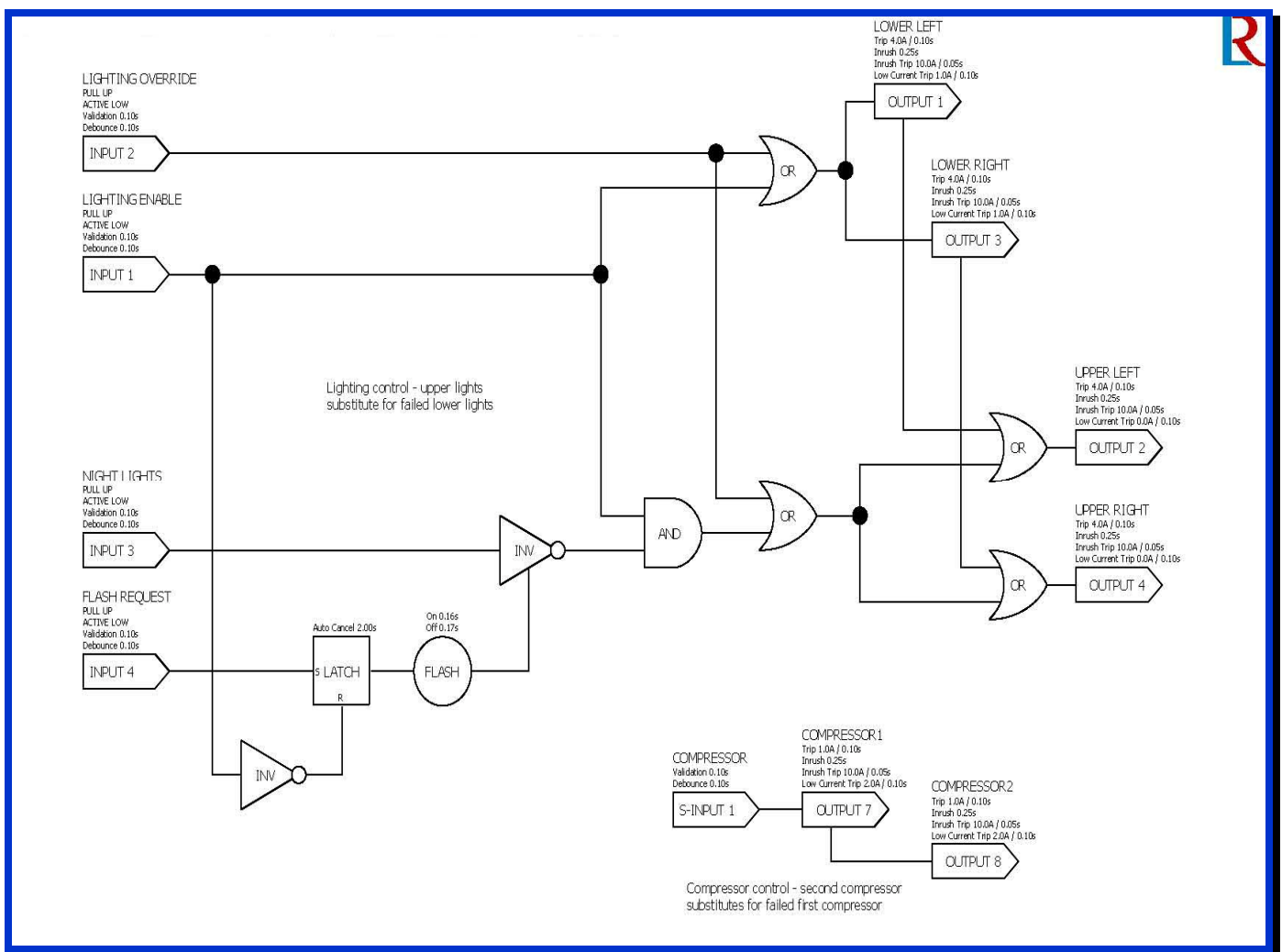
Power Supply: 6 to 26V input voltage range

Physical: CNC machined, 'O' Ring sealed, anodized aluminum case

PDU32		PDU8	
8 ¼" x 4 ¾" x 1 ¼"	1.95 Pounds	4 ¾" x 4 1/3" x 1 ¼"	0.9 Pounds
4 Deutsch Autosport Connectors		2 Deutsch Autosport Connectors & 1 Power Stud	

New Configuration Software

- Schematic based configuration and monitoring
- Offline configuration simulation
- Online diagnostic input and output forcing
- Outputs have high current, low current, and inrush current trips
- Can trigger further logic on output trip (e.g. backup lights or pumps)
- Soft inputs via CAN (PDU8 – 8; PDU32 – 32)
- Programmable start ID for CAN data stream transmission
- Programmable start ID for CAN soft inputs reception



For ordering information:
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