**NEW** 17.5mm DIN rail housing
- Microprocessor based
- Suited to 12V and 24V batteries
- Monitors own supply and detects and Under voltage condition
- Adjustment for Under voltage trip level (9 – 28V)
- Adjustment for Time delay (from an Under voltage condition)
- 1 x SPDT relay output 8A
- Green LED indication for supply status
- Red LED indication for relay status

**INSTALLATION AND SETTING**
- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required taking note of the polarity of the connections. Terminal A1 is the positive connection and A2 the negative.

**APPLICATIONS**
- Apply power and the green “Power supply” LED’s will illuminate, the relay will energise and contacts 15 and 18 will close. Refer to the troubleshooting table if the unit fails to operate correctly.
- If the supply voltage drops below the trip level setting, the green LED will start to flash. The relay will then de-energise (contacts 15 and 18 open) after the delay period “t” and the red LED will extinguish. The green LED will then remain permanently lit.
- When the voltage increases above the trip level + hysteresis, then relay will re-energise and red LED illuminate.

**Troubleshooting.**

The table below shows the status of the unit during a fault condition.

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**TECHNICAL SPECIFICATION**

Supply/monitoring voltage:
- U(A1, A2): 12 – 24V DC
- Supply variation: 75 – 125% U
- Power consumption (max.): 3W
- Monitoring mode: Under voltage
- Trip level: 9 – 28V DC
- Hysteresis: = % of trip level (factory set)
- Setting accuracy: ± 10%
- Repeat accuracy: ± 0.5% at constant conditions
- Response time: = 100mS
- Time delay (t): = 0 – 30 Sec. (± 5%)
- Note: actual delay (t) = adjustable delay + response time
- Power on delay (Td): = 1 sec. (worst case = Td x 2)
- Power on indication: Green LED
- Relay status indication: Red LED
- Ambient temp: -30 to +60°C
- Relative humidity: ±95%
- Output rating: SPDT relay
- Output voltage: AC1 250V 8A (2000VA)
- AC15 250V 5A (no), 3A (nc)
- DC1 25V 8A (2000VA)
- Electrical life: > 150,000 ops at rated load
- Dielectric voltage: 2kV AC (rms) IEC 60947-1
- Rated impulse withstand voltage: 4kV (1.2/50µS) IEC 60664
- Housing: Orange flame retardant UL94
- Weight: 70g
- Mounting option: On to 35mm symmetric DIN rail to BS EN 60715
- Terminal conductor size: ≤ 2 x 2.5mm² solid or stranded
- Approvals: UL listed and RoHS Compliant

**DIMENSIONS**

- 80 (exc. clips) x 45 x 29 x 49.5 x 66.5 x 67.5 x 45
- All dimensions in mm.

**CONNECTION DIAGRAM**

**SETTING DETAILS**

1. Power supply status (Green) LED
2. Relay output status (Red) LED
3. “Delay” adjustment
4. “Under” trip level adjustment

**FUNCTION DIAGRAM**

- Supply A1, A2
- % Hyst.
- Monitoring Voltage
- Trip Level
- Output

- LED operation:
- LED Off
- LED On
- LED Flashing

- LED Off
- LED On
- LED Flashing

**Connection Diagram**

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