



JE/VMDC

Single Level DC Voltage Monitor

DS-600/2

JE/VMDC Single level DC voltage monitor is fitted with 'Level' and 'Diff' potentiometers for user adjustment. The internal relay will switch at the voltage set by the 'Level' potentiometer and reset at the voltage level set by the 'Diff' potentiometer. Two sets of Form C contacts are provided for external signal and control use. An LED is also fitted to display the relays status.

The unit is powered by a DC supply connected to the '+' and '-' terminals. The 'S' (sense) terminal should be connected directly to the monitored voltage point, and is referenced to the '-' terminal.

Screw clamp terminals are fitted at the top of the unit for all connections and will accept a maximum 2.5mm² cable size.

All components are conservatively rated to ensure maximum life. Assembled circuit boards are coated on completion making them suitable for tropical or adverse environmental conditions.

Input Specification

Supply Voltage Range	12V = 10-16 Vdc 24V = 20-32 Vdc 48V = 40-65 Vdc
Input Power	4 Watts (Worst Case)

Sensing Range

12V Types	10-16 Vdc (Level Setting)
24V Types	20-32 Vdc (Level Setting)
48V Types	40-65 Vdc (Level Setting)

Other Voltage Ranges Are Available on Request.

Relay Specification

Contact Rated Current	5.0 A Continuous
Contact Rated Voltage	240 Vac / 30 Vdc
Contact Material	AgNi 90/10
Dielectric Strength	Coil-Contact Circuit = 5000 Vrms Open Contact Circuit = 1000 Vrms Adjacent Contact Circuits = 2500 Vrms
Bounce Time	1-3mS Typ.

FEATURES

- DIN RAIL OR SURFACE MOUNT
- USER ADJUSTABLE SETTINGS
- 12, 24 & 48 VOLT DC MODELS
- TROPICALISED

APPLICATIONS

- LOW VOLTAGE LEVEL DETECTOR
- HIGH VOLTAGE LEVEL DETECTOR
- LOW VOLTAGE (LVD) AND HIGH VOLTAGE DISCONNECT SYSTEMS

JENELEC
Europe Ltd

INDUSTRIAL POWER SOLUTIONS

Fuller Road - Industrial Estate
Harleston - Norfolk - IP20 9EA
Tel. 01379 853666
Fax. 01379 854414
E-Mail. sales@jenelec.co.uk
Web. www.jenelec.com



Environmental Specification

Working Temperature	-10°C to +50°C
Working Humidity	20% - 90% RH
Storage Temperature	-20°C - +80°C
Unpacked Weight	0.25 Kilo.

Ordering Information

Nominal DC Rating	Part No.
12V	JE/VMDC-12
24V	JE/VMDC-24
48V	JE/VMDC-48

If required the units levels can be preset. Please specify this at the time of order.

Note: Standard models shown. For other output voltages and customised products please contact us.

Finish

Top Black (RAL9011)
Body Grey (RAL7035)

Mounting

TS35 din rail mounted. The unit can also be fixed by two mounting holes in the base of the enclosure

Termination

Rising clamp screw terminals for all connections. Terminals will accept a maximum 2.5mm² stranded cable.

General Arrangement

