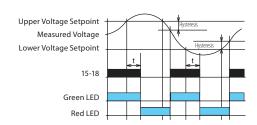


## 200 Series

## **FEATURES**

- DC Voltage monitor / Band (window) voltage relay
- Controls supply voltage for equipment sensitive to supply tolerance and offers protection against under- and over-voltage conditions.
- Monitors voltage range of 6 to 30VDC for battery applications
- Adjustable time delay up to 10 seconds to avoid nuisance tripping
- Minimum voltage setting as a percentage of the maximum voltage
- Red and green LEDs indicate 3 conditions, normal operation and 2 fault conditions
- DIN rail mounting
- UL and CE approvals, RoHS compliant

## **MODE OF OPERATION**



The 234 DC Voltage Monitor has an active output during normal operation and turns off when a fault is sensed. Loss of supply voltage therefore is a recognized fault.

Built-in hysteresis eliminates chattering at the transition point. SPDT (Form C) contacts allow various connection options. Red and green LED indicators allow quick identification of various fault conditions.



## **SPECIFICATIONS**

Input/monitoring terminals A1-A2

Supply voltage ..... 6-30VDC

Power consumption (DCmax) 1.2 VA

 $\textbf{Upper voltage setting} \dots \ 18-30 \text{VDC}$ 

**Lower voltage setting** . . . . . 35–95% of maximum

**Maximum constant voltage**. 36VDC **Peak overload <1ms**...... 50VDC

**Time delay**..... adjustable, 0–10s

**Dependence on temperature** < 0.1% / °C

Limit tolerance ...... 5%

Hysteresis ...... 2-6% of set value

**Relay output form** . . . . . . SPDT Form C (AgNi)

Rated current ...... 16 A/ AC

Switching capacity ...... 4000 VA/ AC, 384 W/ DC

 $\textbf{Switching voltage} \ldots \ldots 250 \text{VAC} \, / \, 24 \text{VDC}$ 

Switching capacity DC (min) 500mW

**Indication of state** . . . . . . Red and Green LEDs **Mechanical life** . . . . . . . 30 million operations

**Electrical life**..................70,000 operations

**Operating temperature** ... -20°C to +55°C

**Storage temperature** . . . . . -30  $^{\circ}$ C to +70  $^{\circ}$ C

**Dielectric strength** ....... 4 kV **Operating position** ...... any

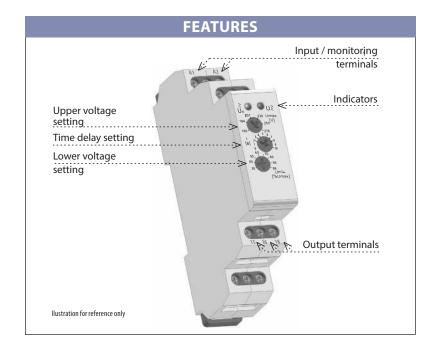
Mounting..... DIN rail EN 60715

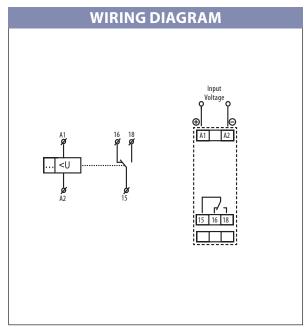
**Protection degree** . . . . . . IP 40 from front panel

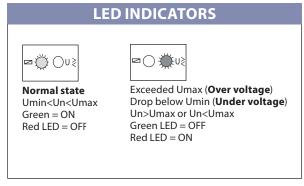
Max. cable size ...... 14AWG

**Standards** ..... EN 60255-6, EN 61010-1,

UL, CE, RoHS







11/14/14