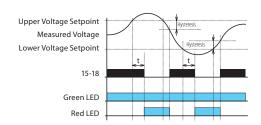


200 Series

FEATURES

- 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 48 to 276VAC
- 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 233 Voltage Monitoring Relay senses voltage level in single phase AC and DC circuits. Sensed voltage also serves as supply voltage. Two independent levels of voltage (upper and lower) can be set.

The 233 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 48–276VAC

Power consumption (ACmax) 1.2 VA

Upper voltage setting..... 160-276VAC

Lower voltage setting 30–95% of maximum

Maximum constant voltage. 276VAC **Peak overload <1ms**...... 290VAC

Time delay..... adjustable, 0–10s

Dependence on temperature < 0.1% / °C

Limit tolerance 5%

Rated current 16 A/ AC

Switching capacity 4000 VA/ AC, 384 W/ DC

Switching capacity DC (min) 500mW

 Indication of state
 Red and Green LEDs

 Mechanical life
 30 million operations

Storage temperature..... -30°C to +70°C

Dielectric strength 4 kV **Operating position** any

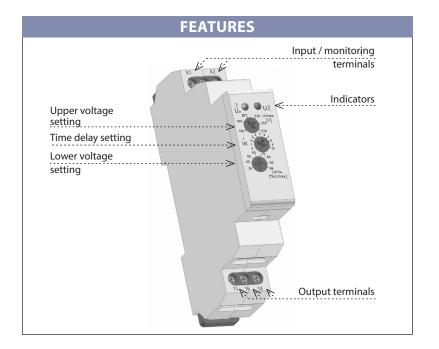
Mounting..... DIN rail EN 60715

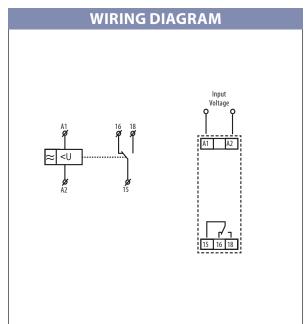
Protection degree IP 40 from front panel

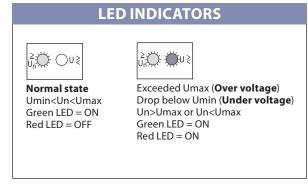
Max. cable size 14AWG

Standards EN 60255-6, EN 61010-1,

UL, CE, RoHS







11/14/14