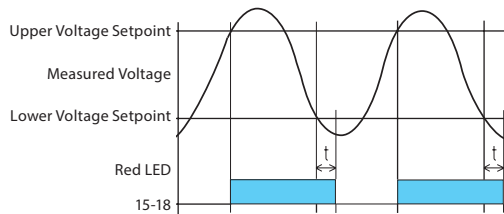


**FEATURES**

- For over/under voltage applications
- 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

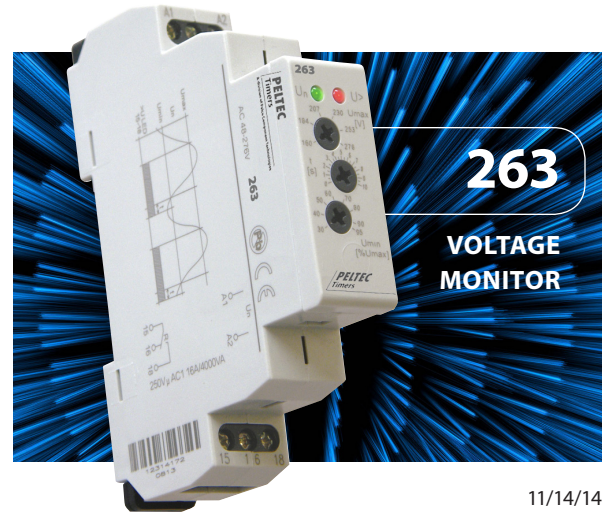
**MODE OF OPERATION**



Voltage monitor assures that operating voltage remains within a range set by two independent adjustments: upper and lower voltage settings.

Output becomes active only when the upper voltage setting is exceeded. This assures adequate voltage during a start-up condition.

If voltage drops below the lower voltage setting for longer than the set delay time, the output is turned off. This prevents operation in brown-out condition.



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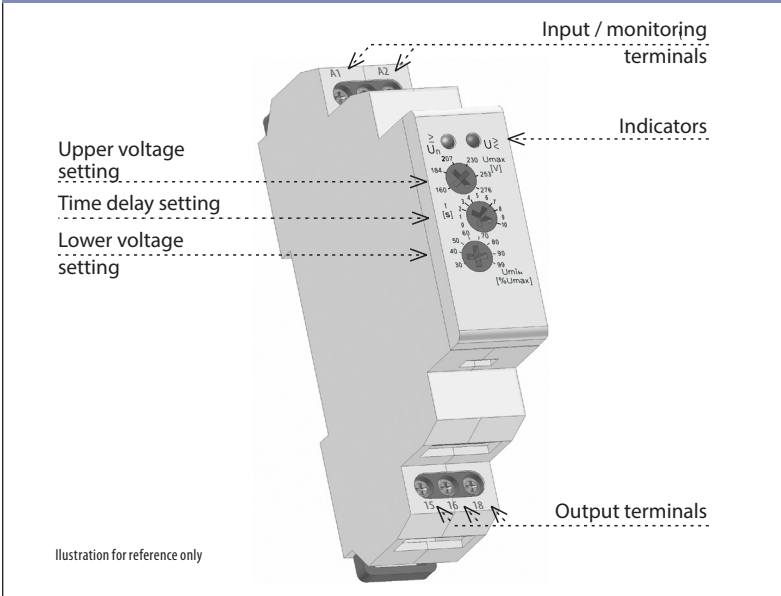
**VOLTAGE MONITOR**

11/14/14

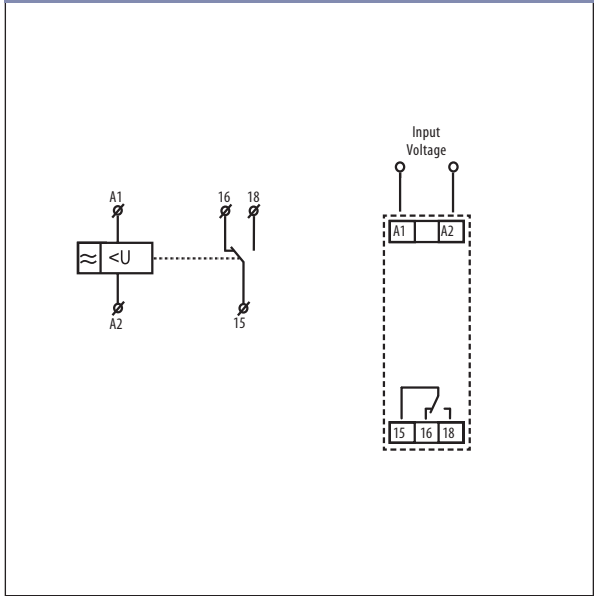
**SPECIFICATIONS**

- 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
- Setting accuracy** ..... 5%
- Repeatability** ..... <1%
- Dependence on temperature** <0.1% / °C
- Limit tolerance** ..... 5%
- Relay output form** ..... SPDT Form C (AgNi)
- Rated current** ..... 16 A/ AC
- Switching capacity** ..... 4000 VA/ AC, 384 W/ DC
- Inrush current** ..... 30 Amps / <3s
- Switching voltage** ..... 250VAC / 24VDC
- 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°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

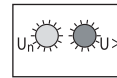
FEATURES



WIRING DIAGRAM



LED INDICATORS



Exceeded  $U_{max}$   
**(Over voltage)**  
 $U_n > U_{max}$   
 Green LED = ON  
 Red LED = ON



Drop below  $U_{min}$   
**(Under voltage)**  
 $U_n < U_{min}$   
 Green LED = ON  
 Red LED = OFF