

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 24 to 150VAC and offers independent monitoring of both over and under voltage
- 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



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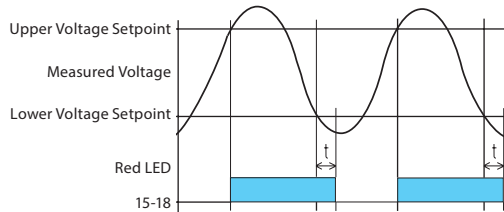
VOLTAGE MONITOR

11/14/14

SPECIFICATIONS

- Input/monitoring terminals** A1-A2
- Supply voltage** 24-150VAC
- Power consumption (ACmax)** 1.2 VA
- Upper voltage setting** 80-150VAC
- 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

MODE OF OPERATION

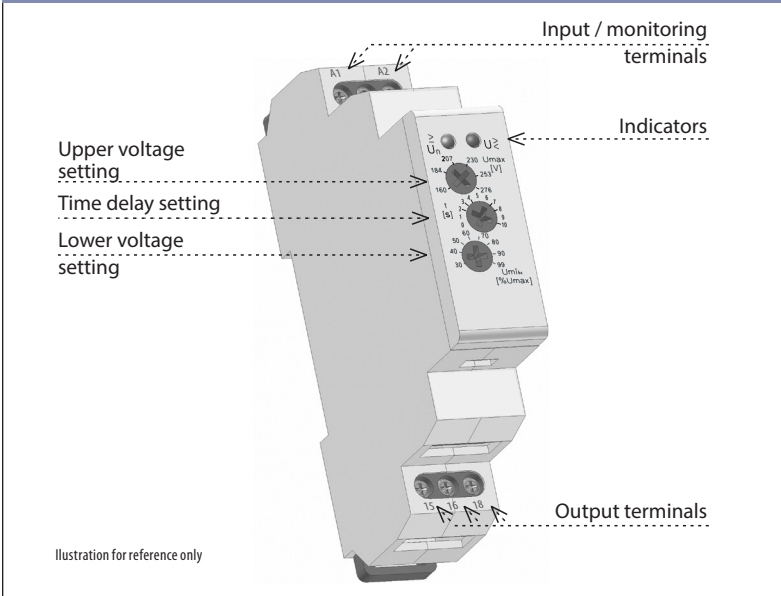


Voltage monitor assures that operating voltage remains within a range set by two independent adjustments: upper and lower voltage settings.

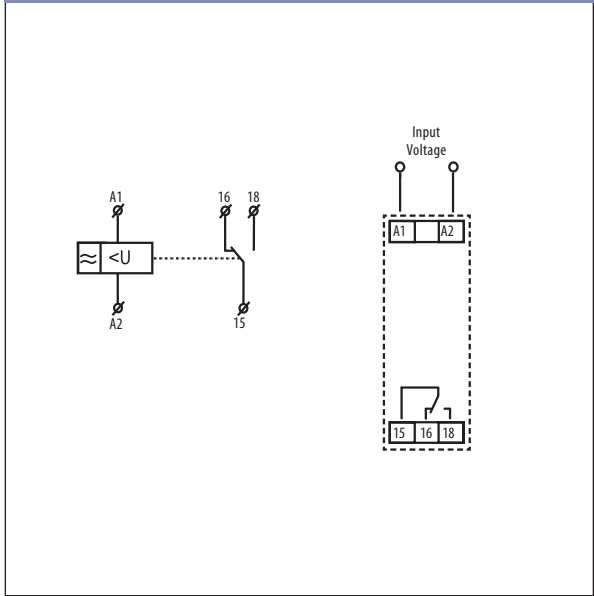
Output becomes active only when the upper voltage setting is exceeded. This assures adequate voltage during a start-up condition.

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.

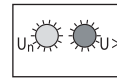
FEATURES



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