PELTEC
Timers & Controls

200 Series

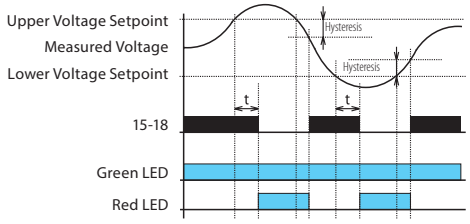


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FEATURES

- 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 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

MODE OF OPERATION



The 237 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	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%
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
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

Peltec237 VOLTAGE MONITOR

FEATURES

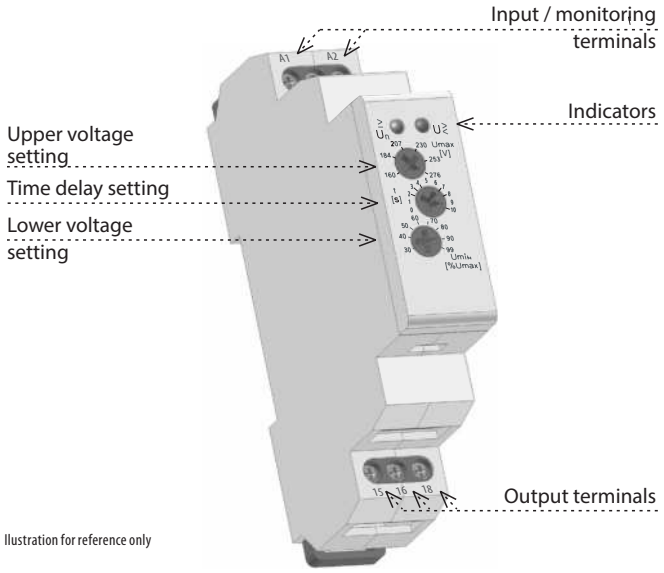
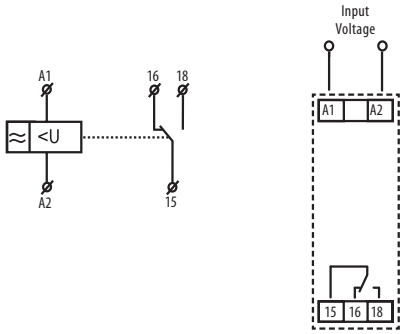


Illustration for reference only

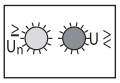
WIRING DIAGRAM



LED INDICATORS



Normal state
Umin<Un<Umax
Green LED = ON
Red LED = OFF



Exceeded Umax (**Over voltage**)
Drop below Umin (**Under voltage**)
Un>Umax or Un<Umax
Green LED = ON
Red LED = ON

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