PELTEC
Timers & Controls

200 Series

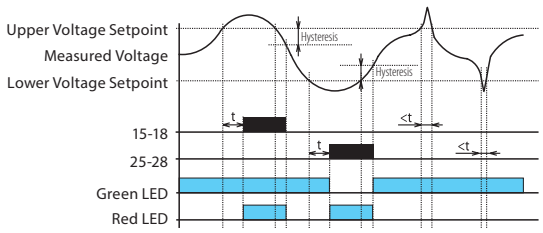


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FEATURES

- 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 48 to 276VAC
- Provides an additional output relay for each voltage level, making switching other loads possible
- 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 235 Voltage Monitor has 2 independent outputs. Each separately becomes active for high-voltage or low-voltage fault conditions after set delay. This allows determination of which condition caused the fault.

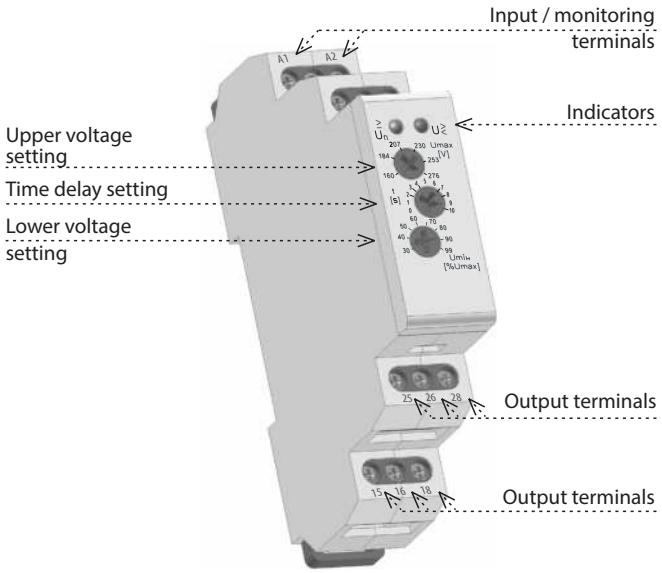
To eliminate nuisance alarms, delay only applies during transition from normal to fault condition. Return to normal operation clears fault with no delay.

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.

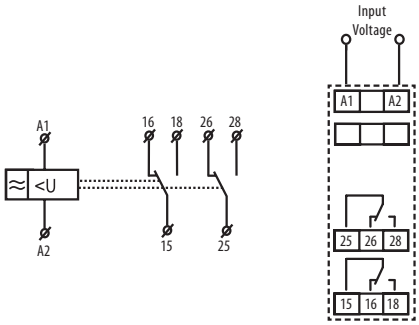
SPECIFICATIONS

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
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

FEATURES



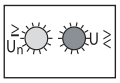
WIRING DIAGRAM



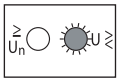
LED INDICATORS



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



Exceeded Umax (**Over voltage**)
Un>Umax
Green LED = ON
Red LED = ON



Drop below Umin (**Under voltage**)
Un<Umin
Green LED = OFF
Red LED = ON

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