Monitoring Voltage Relay LNV8

Output	Function	Type	Article Number	QNT/CTN(pcs)	G/N.W/CTN(kg)	MEAS(cm)
D12:DC 12V(45-65HZ)						
1XSPDT	01	LNV8-01D12	LNV801D12	200	17/16	53. 5x26x33
1XSPDT	02	LNV8-02D12	LNV802D12	200	17/16	53. 5x26x33
AD48:AC/DC 24V-48V(45-65HZ)						
1XSPDT	01	LNV8-01AD48	LNV801AD48	200	17/16	53. 5x26x33
1XSPDT	02	LNV8-02AD48	LNV801AD48	200	17/16	53. 5x26x33
AD240:AC/DC 110V-240V(45-65HZ)						
1XSPDT	01	LNV8-01AD240	LNV801AD240	200	17/16	53. 5x26x33
1XSPDT	02	LNV8-02AD240	LNV801AD240	200	17/16	53. 5x26x33
A220:AC220V(45-65HZ)						
1XSPDT	01	LNV8-01A220	LNV801A220	200	17/16	53. 5x26x33
1XSPDT	02	LNV8-02A220	LNV801A220	200	17/16	53. 5x26x33

●Applications
Protect electrical equipment and motors from over-voltage and under-voltage.Normal/ emergency power supply switching.

●Function Features
-Controls its own supply voltage (True RMS measurement)
-.User may select operation mode through knob.
- Voltage measurement accuracy <1%.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

●Model and connotation

LNV8 — □/□

Rated control supply voltage:

Rated supply voltage code	Rated supply voltage	Supply voltage limits	Range of adjustment
D12	DC 12V	DC 7...20V	DC 9...15V
AD48	AC/DC 24...48V	AC/DC 15...100V	AC/DC 20...80V
AD240	AC/DC 110...240V	AC/DC 50...270V	AC/DC 65...260V
A220	AC 220V	AC 160...270V	AC 180...260V

Function mode:
01 - Over/under voltage in windows mode
02 - Overvoltage Undervoltage

LNV8 Series

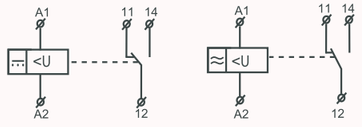
Technical Data

Technical Parameters

	LNV8-01	LNV8-02
Function	Monitoring voltage	
Supply terminals	A1-A2	
Rated supply voltage	DC12V,AC/DC24V-48V,AC/DC110V-240V,AC220V	
Rated supply frequency	45Hz-65Hz,0	
Hysteresis	5%-20%	3%fixed
Supply indication	green LED	
Time delay	Adjustable 0.1s-10s,10%	
Measurement error	≤1%	
Run up delay at power up	0.5s time delay	
Konb setting accuracy	1% of scale value	
Reset time	1000ms	
Temperature coecient	0.05%/℃,at=20℃(0.05%℉ , at=68℉)	
Output	1×SPDT	
Current rating	10A/AC1	
Switching voltage	250VAC/24VDC	

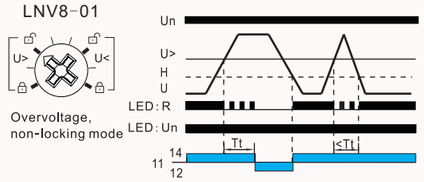
Min.breaking capacity DC	500mW
Output indication	red LED
Mechanical life	1×10^7
Electrical life(AC1)	1×10^6
Operating temperature	-20℃ to +55℃ (-4℉ to 131℉)
Storage temperature	-35℃ to +75℃ (-22℉ to 158℉)
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage cathegory	III.
Pollution degree	2
Max.cable size(mm^2)	solid wire max.1×2. 5or 2×1. 5/ with sleeve max.1×2. 5(AWG 12)
Dimensions	90×18×64mm
Weight	59g
Standards	IEC/EN 60255-1,IEC/EN61010-1

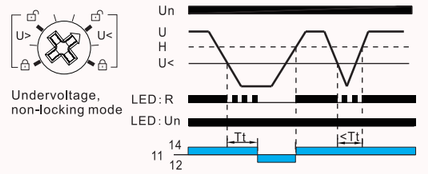
Wiring Diagram

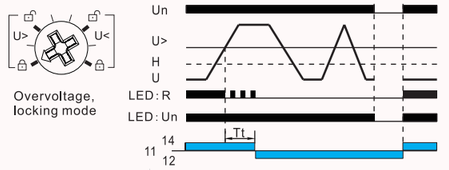


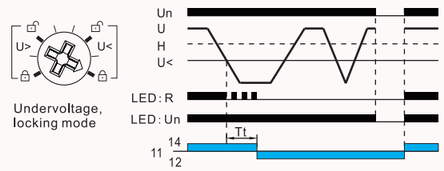
Functions Diagram

LNV8-01

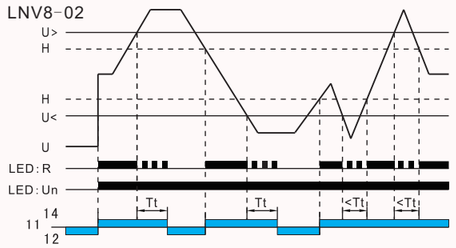






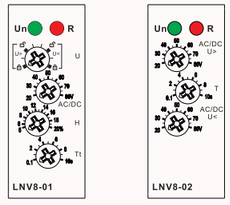


LNV8-02



U> :Overvoltage threshold
U< :Undervoltage threshold
H :Hysteresis
U :Controlled signal
Tt :Delay on threshold crossing

Panel Diagram



Dimensions(mm)