Controlling Switches

3-Phase Voltage Relay LNV8

Output	Function	Type	Article Number	QNT/CTN(pcs)	G/N.W/CTN(kg)	MEAS(cm)
M460:220-230-240-380-400-415-440-460VAC(45-65HZ)						
1XSPDT	03	LNV8-03M460	LNV803M460	200	17/16	53. 5x26x33
1XSPDT	04	LNT8-04M460	LNT804M460	200	17/16	53. 5x26x33
1XSPDT	05	LNT8-05M460	LNT805M460	200	17/16	53. 5x26x33
1XSPDT	06	LNT8-06M460	LNT806M460	200	17/16	53. 5x26x33
1XSPDT	07	LNT8-07M460	LNT807M460	200	17/16	53. 5x26x33
1XSPDT	08	LNT8-08M460	LNT808M460	200	17/16	53. 5x26x33
M265:127-132-138-220-230-240-254-265VAC(P-N)(45-65HZ)						
1XSPDT	03	LNV8-03M265	LNV803M265	200	17/16	53. 5x26x33
1XSPDT	04	LNT8-04M265	LNT804M265	200	17/16	53. 5x26x33
1XSPDT	05	LNT8-05M265	LNT805M265	200	17/16	53. 5x26x33
1XSPDT	06	LNT8-06M265	LNT806M265	200	17/16	53. 5x26x33
1XSPDT	07	LNT8-07M265	LNT807M265	200	17/16	53. 5x26x33
1XSPDT	08	LNT8-08M265	LNT808M265	200	17/16	53. 5x26x33

●Applications

Control for connection of moving equipment(site equipment,agricultural equipent,refrigerated trucks).Control for protection of persons and equipment against the consequences of reverse running.Normal/emergency power supply switching.Protection against the risk of a driving load(phase failure).

●Function Features

-Controls its own supply voltage (True RMS measurement).
-Set 8-level rated operating voltage through knob.
- Measuring frequency range:45Hz-65Hz.
- Voltage measurement accuracy<1%.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

●Model and connotation

LNV8 — □/□

- Rated control supply voltage:
  M460：220-230-240-380-400-415-440-460VAC(P-P)
  M265：127-132-138-220-230-240-254-265VAC(P-N)
- Funcion mode: Table1
- LNV8 Series

Technical Data

Technical Parameters

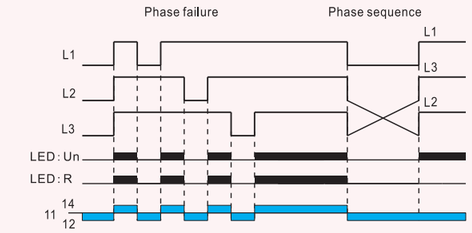
	M460	M265
Function	Monitoring 3-phase voltage	
Monitoring terminals	L1-L2-L3	L1-L2-L3-N
Supply terminals	L1-L2	L1-N
Voltage range	220-230-240-380-400 -415-440-460(P-P)	127-132-138-220-230 -240-254-265(P-N)
Rated supply frequency	45Hz-65Hz	
Measuring range	176V-552V	101V-318V
Threshold adjustment voltage	2%-20%of Un selected	
Adjustment of asymmetry threshold	5%-15%	
Hysteresis	2%	
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	64g
Standards	IEC/EN 60255-1,IEC/EN61010-1

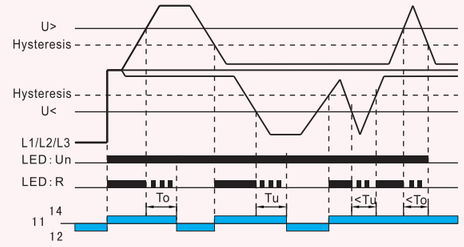
Technical Data

Functions Diagram

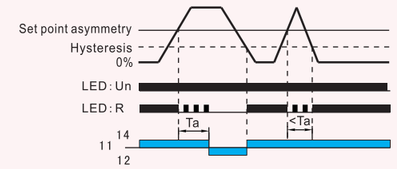
●Phase failure and phase equence function diagram



●Overvoltage and undervoltage function diagram

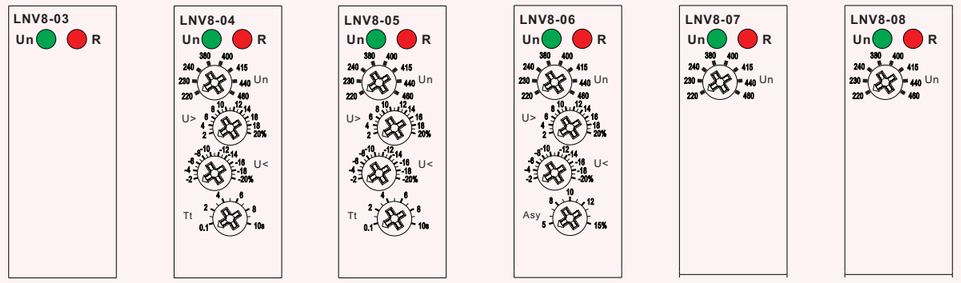


●Asymmetry function diagram



To:Overvoltage threshold tripping delay.
Tu:Undervoltage threshold tripping delay.
Ta:Asymmetry threshold tripping delay.

Panel Diagram



Dimensions(mm)

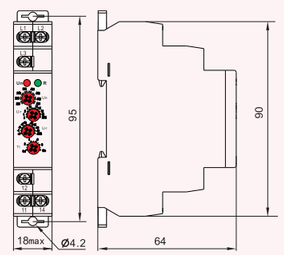


Table1

Function code	Over-voltage	Under-voltage	Asymmetry	Delay time	Phase sequence	Phase failure
03					●	●
04	2%...20%	-20%...2%		0.1s...10s	●	●
05	2%...20%	-20%...2%	8%	0.1s...10s	●	●
06	2%...20%	-20%...2%	5%...15%	2s	●	●
07			8%	2s	●	●
08	15%	-15%	8%	2s	●	●

Note:●the function is available

Wiring Diagram