

GRV8-21...26

3-Phase voltage relay

GRV8 — □

Fuction mode:Table1

GRV8 Series

Table1						
Function code	Over-voltage	Under-voltage	Asymmetry	OFF delay Phase time	Phase sequence	Phase failure
21					○	●
22	5%...25%,OFF	OFF,-25%...-5%		0.1s...30s	●	●
23	5%...25%,OFF	OFF,-25%...-5%	8%	0.1s...30s	●	●
24	5%...25%,OFF	OFF,-25%...-5%	5%...20%,OFF	2s	●	●
25			5%...20%	0.1s...30s	●	●
26	15%	-15%	8%	2s	●	●

Note: ● the function is available

○ the function is adjustable

Applications

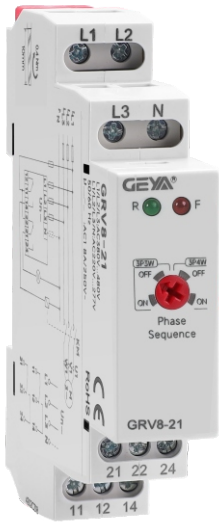
- Control for connection of moving equipment(site equipment, agricultural equipent,refrigerated trucks).
- Control for protection of persons and equipment against the consequences of reverse running.
- Normal/emergency power supply switching.
- Protection against the risk of a driving load(phase failure).

Feature

- 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.

Technical parameters

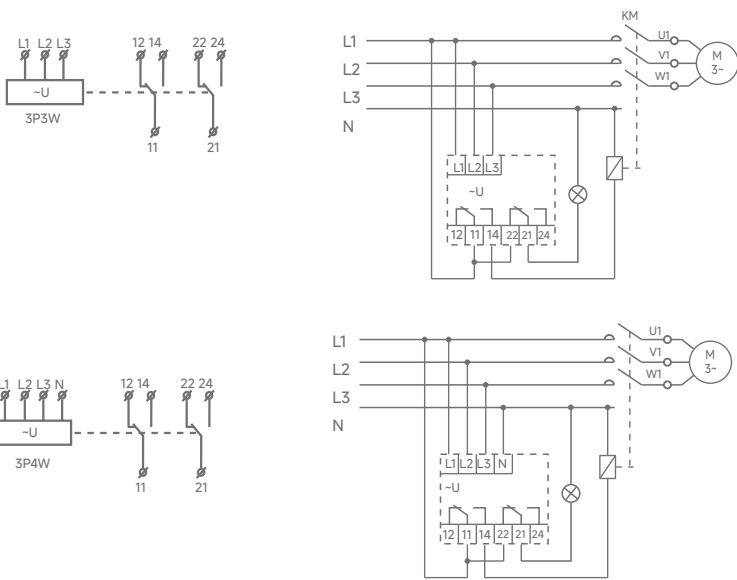
	3P3W	3P4W
Function	Monitoring 3-phase voltage	
Monitoring terminals	L1-L2-L3	L1-L2-L3-N
Supply terminals	L1-L2	
Voltage range	380-400-415-440-480(P-P)	220-230-240-254-277(P-N)
Rated supply frequency	45Hz-65Hz	
Measuring range	260V-576V	150V-332V
Threshold adjustment voltage	5%-25%of Un selected or OFF The Max “U>” for Un 277V or 480V shall not exceed 20%	
Adjustment threshold	5%-20% or OFF	
Hysteresis	2%	
Phase failure value	70% of Un selected	
OFF delay time(Tt)	Adjustable 0.1s-30s,10%	
Measurement error	≤1%	
Delay at power up(Tr)	0.5s	
Knob setting accuracy	10% of scale value	
Output indication	Green LED	
Fault indication	Red LED	
Reset time	1s	
Output	2×SPDT	
Current rating	8A/AC1	
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Temperature coefficient	0.05%/°C,at=20°C(0.05%°F,at=68°F)	
Mechanical life	1x10 ⁷	
Electrical life(AC1)	1x10 ⁵	



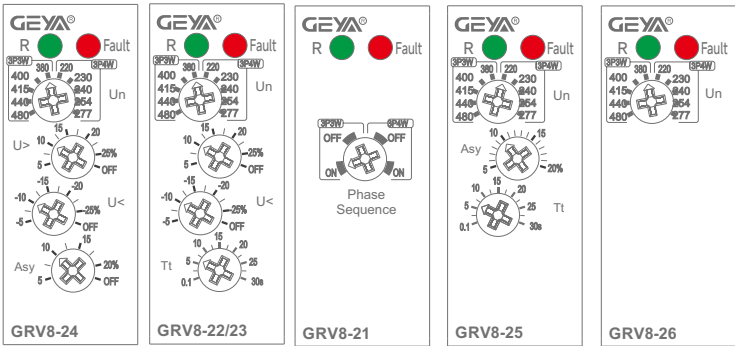
Functions Diagram

Operating temperature	-20°C to + 55°C (-4°F to 131°F)
Storage temperature	-35°C to + 75°C (-22°F to 158°F)
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)
Tightening torque	0.4Nm
Dimensions	90x18x64mm
Weight	69-72g
Standards	EN 60255-1, IEC60947-5-1

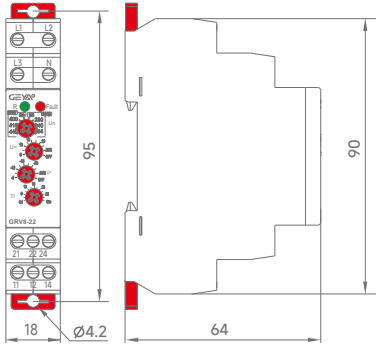
Wiring Diagram



Panel Diagram



Dimensions(mm)



Functions Diagram

