

3 Phase Voltage Relay

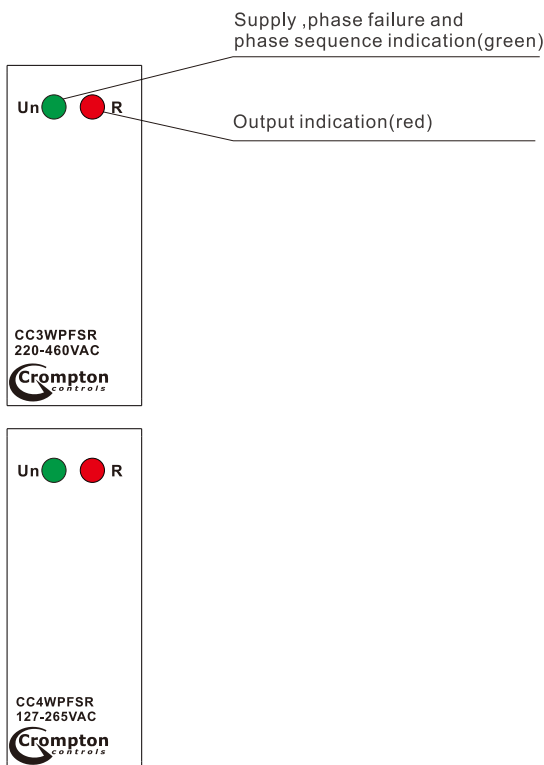
Models:
 CC3WPFSR 220-460VAC - 3 Phase
 CC4WPFSR 127-265VAC - 3 Phase & Neutral



General

- Applications
 - Control for connection of moving equipment(site equipment, agricultural equipment, 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).
 - Measuring frequency range:45Hz-65Hz.
 - Voltage measurement accuracy<1%.
 - Relay status is indicated by LED.
 - 1-MODULE, DIN rail mounting.

Panel Diagram

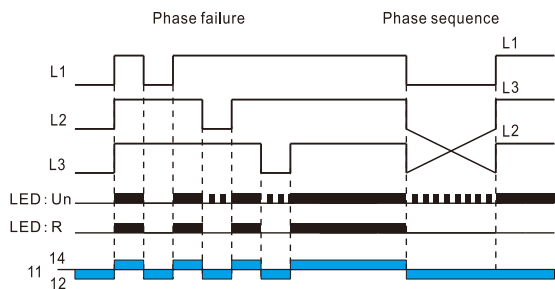


Technical parameters

Technical parameters	3 Phase	3 Phase & N
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
Hysteresis	2%	
Phase failure value	70%	70%
Measurement error	≤1%	
Run up delay at power up	0.5s time delay	
Supply indication	green LED	
Output indication	red LED	
Reset time	1000ms	
Output	1×SPDT	
Current rating	10A/ 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	1×10 ⁷	
Electrical life(AC1)	1×10 ⁶	
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 category	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 60255-6, IEC/EN61010-1	

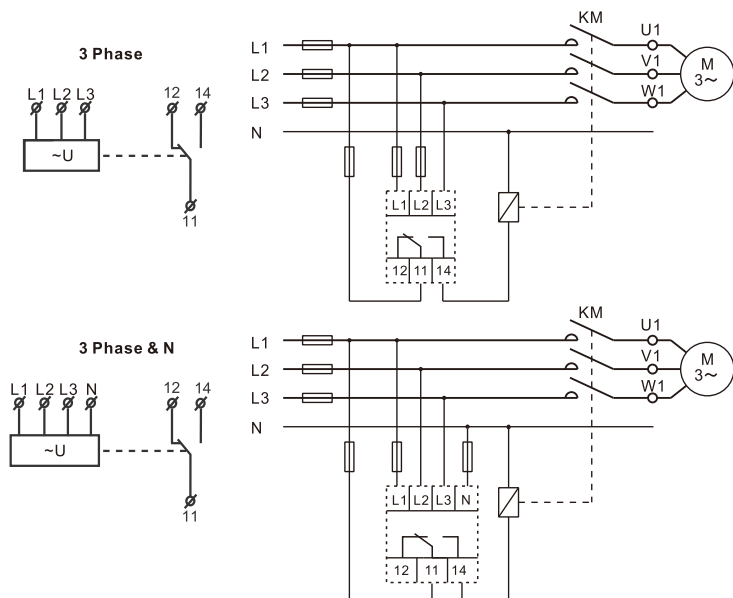
Functions Diagram

●Phase failure and phase sequence function diagram

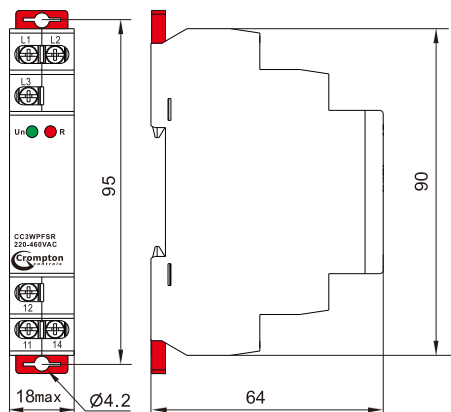


NOTE:
In case of phase fault at power supply terminals , the function LED would not make indication.

Wiring Diagram



Dimensions(mm)



Disposal of Electrical Waste
All electrical waste should be disposed of in compliance with current WEEE regulations.



Caution
The products must be installed by qualified electricians. All and any electrical connections of the time relay shall comply with the appropriate safety standards.