

Relay

YCV8-(03D/04D/05D/06D/07D/08D) Voltage Relay



YCV8-03D



YCV8-05D



YCV8-07D



YCV8-03D



YCV8-05D



YCV8-07D

General

- Control for connection of moving equipment(siteequipment,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).

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%.
- 2 C/O output.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

Type designation

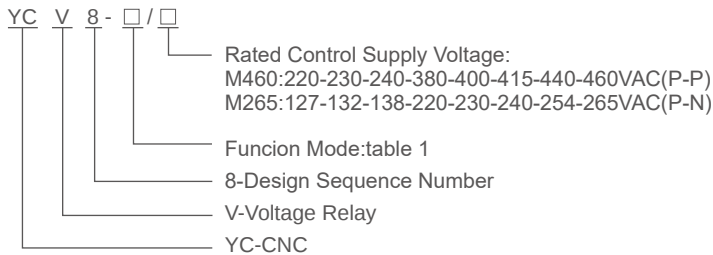


Table 1

Function code	Overvoltage	Undervoltage	Asymmetry	Delay time	Phase squence	Phase failure
03D					•	•
04D	2%...20%	-20%...2%		0.1s...10s	•	•
05D	2%...20%	-20%...2%	8%	0.1s...10s	•	•
06D	2%...20%	-20%...2%	5%...15%	2s	•	•
07D			8%	2s	•	•
08D	15%	-15%	8%	2s	•	•

Note:the function is available



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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 on power-up	0.5s time delay	
Knob setting accuracy	10% of scale value	
Reset time	1000ms	
Temperature coefficient	0.05%/°C,at=20°C(0.05%°F, at=68°F)	
Output	1XSPDT	
Current rating	10A/AC1	
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	red LED	
Mechanical life	1X10 ⁷	
Electrical life(AC1)	1X10 ⁵	
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(mn?)	solid wiremax.1X2. 5or2X1.5/with sleeve max.1X2. 5(AWG 12)	
Dimensions	90X18X64mm	
Weight	64g	
Standards	EN 60255-1,IEC60947-5-1	

Note:

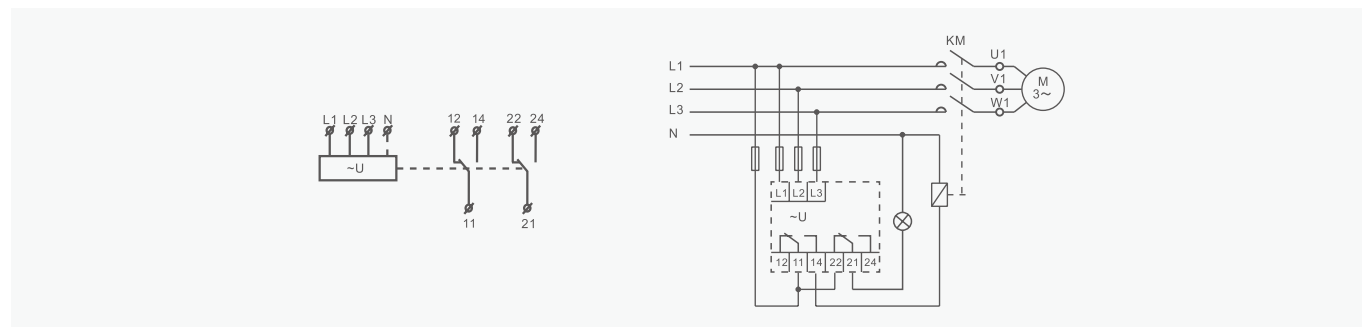
$$Asy = \frac{U_{max} - U_{min}}{U_{arv}} \times 100\% \quad U_{max} = \max(U_1, U_2, U_3)$$

$$U_{ary} = \frac{U_1 + U_2 + U_3}{3} \quad U_{min} = \min(U_1, U_2, U_3)$$

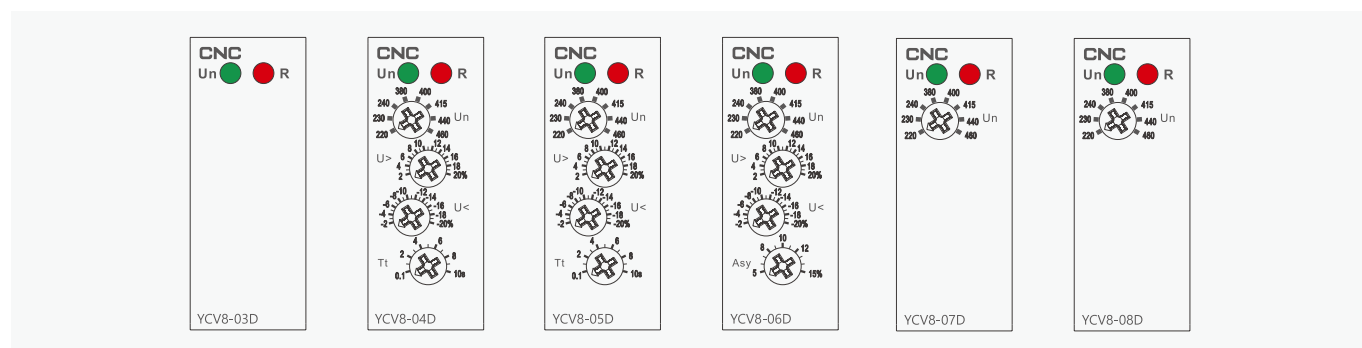
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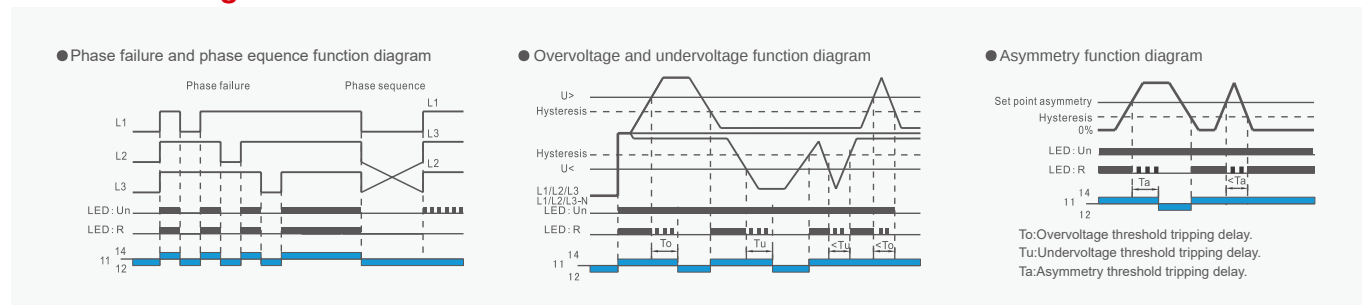
Wiring diagram



Panel diagram



Functions diagram



Overall and mounting dimensions(mm)

