GB

22 001 330 - **1** | 22 002 330 - **1**

Eltako ELECTRONICS

Mains monitoring relays monitoring the rotating field NR12-001-3x230V and NR12-002-3x230V

CE

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Standby loss 0.8 watt only.

NR12-001:

1 CO contact potential free 10A/250V AC.

Modular device for DIN 50022 rail mounting.

1 module = 18mm wide, 58mm deep.

NR12-002:

2 CO contacts potential free 10A/250V AC.

Modular device for DIN 50022 rail mounting.

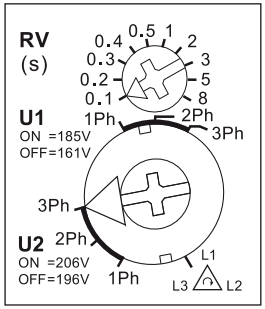
2 modules = 32mm wide, 58mm deep.

Designed to monitor 230V AC voltage between 1 to 3 phase conductors and neutral and to monitor the rotating field (clockwise) in the switch positions 2Ph und 3Ph.

In the position ⚠ only the rotating field is monitored, independent from the mains voltage.

Supply voltage L1-N 180-250V/50Hz.
In case of failure of L1 the relay releases immediately without delay.

Function rotary switches NR12-001 and -002



With the lower rotary switch on the front two operate voltages resp. dropout voltages can be set and the number of monitored phase conductors must be selected.

Position U1: 161V dropout voltage and 185V operate voltage.

Position U2: 196V dropout voltage and 206V operate voltage as per VDE 0100, part 718 (formerly: VDE 0108, part 1).

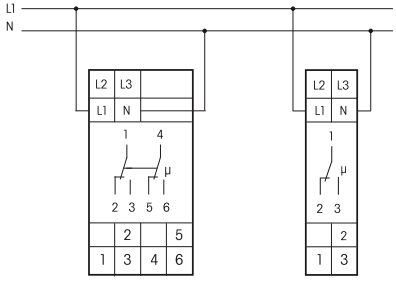
Voltage applied signalled by LED. At wrong polarity or in case of a missing phase conductor the LED flashes rapidly.

Release delay **RV** settable with the upper rotary switch from 0.1 to 8sec. The LED flashes slowly during the release delay time period. Operate delay 0.5sec.

Maximum fusing 16A.

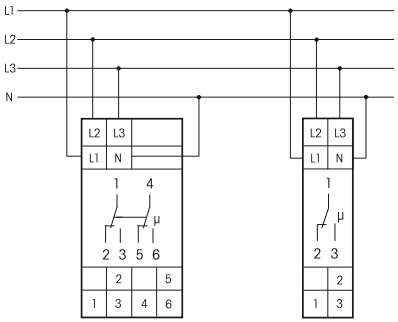
Typical connections

1 phase monitoring



NR12-002-3x230V **NR12-001-3x230V**

3 phase monitoring



NR12-002-3x230V **NR12-001-3x230V**

Technical data

Rated swiching capacity	10A/250V AC
Time on	100%
Max./min. temperature at mounting location	+50°C/-20°C
Max. switching current DC1: 12V/24V DC	8A
Stand by loss (active power)	0,8W

⚠ The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Must be kept for later use!
We recommend the housing for operating instructions GBA12.

Eltako GmbH
D-70736 Fellbach
☎ +49 711 94350000
www.eltako.com

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