



Eltako

22 001 330 - 1, 22 002 330 - 1

Mains monitoring switches
monitoring the rotating field

NR12-001-3x230V and
NR12-002-3x230V

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 10 A/250 V AC.
Modular device for DIN 60715 TH35 rail
mounting.
1 module = 18 mm wide, 58 mm deep.

NR12-002:
2 CO contacts potential free 10 A/250 V AC.
Modular device for DIN 60715 TH35 rail
mounting.
2 modules = 32 mm wide, 58 mm deep.

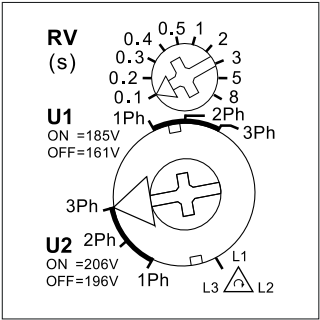
Designed to monitor 230 V AC voltage between
1 to 3 phase conductors and neutral and to
monitor the rotating field (clockwise) in the
switch positions 2Ph and 3Ph.

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

Supply voltage L1-N 180-250 V/50 Hz.

In case of failure of L1 the relay releases im-
mediately 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: 161 V dropout voltage and 185 V
operate voltage;
Position U2: 196 V dropout voltage and 206 V
operate voltage as per VDE 0100, part 718
(formerly: VDE 0108, part 1).

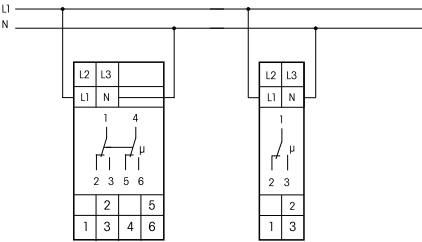
Voltage applied signalled by LED. At wrong
polarity or in case of a missing phase con-
ductor the LED flashes rapidly.

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

Maximum fusing 16 A.

Typical connections

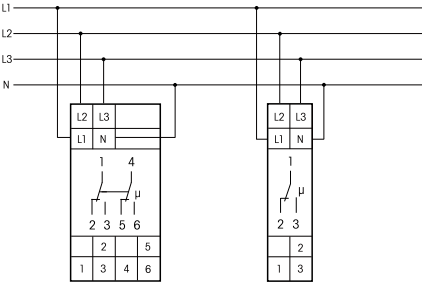
1 phase monitoring



NR12-002-3x230V

NR12-001-3x230V

3 phase monitoring



NR12-002-3x230V

NR12-001-3x230V

Technical data

Rated switching capacity	10 A/250 V AC
Time on	100%
Max./min. temperature at mounting location	+50°C/-20°C
Max. switching current DC1: 12 V/24 V DC	8 A
Stand by loss (active power)	0.8 W

Manuals and documents in further
languages:



<http://eltako.com/redirect/NR12->



Must be kept for later use!

We recommend the housing for
operating instructions GBA14.

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