Mikro®

N201

Features

- Microprocessor based numerical relay

- Current measurement based on fundamental frequency

- Low-set definite time relay

- High-set instantaneous relay

- Separate low-set and high-set indicators

- Option to disable the high-set element

- Front panel access to the test function

- Complies with IEC 60255 standard

- ANSI Code : 50N, 51N

Technical Data

RATINGS

Auxiliary Supply
Model N201-240AD
Rated voltage   : 100 ~ 240 V AC or
                          140 ~ 340 V DC
Operating voltage   : 85 ~ 265 V AC or
                          110 ~ 370 V DC
Rated frequency   : 50 or 60 Hz
Power consumption   : <3 VA max

Current Inputs
Rated current, I_n, I_{on} : 5 A
Frequency   : 50 or 60 Hz nominal
Burden   : < 0.3 VA
Thermal withstand   : 4 x I_n continuous

Output Contacts
Trip Contact Relay R1, R2
Rated voltage   : 250 V AC / DC
Continuous carry   : 5 A
Expected electrical life : 100,000 operations
                           at rated load
Expected mechanical life: 5 x 10^6 operations

SETTING RANGES
Low-set (I>)   : 0.1 to 2.0 A
                         : 2% to 40%
Low-set delay time(DELAY) : 0.05 to 1.0 sec
High-set (I>>)   : I> to 10 x I>
                         or disable
High-set delay time (t>>) : Instantaneous

ACCURACY
Protection thresholds   : ± 5%
Time delay   : ± 5% with a
                          minimum of 50ms

INDICATORS
Auxiliary supply   : Green indicator
Pick-up   : Red indicator
Trip   : Red indicator
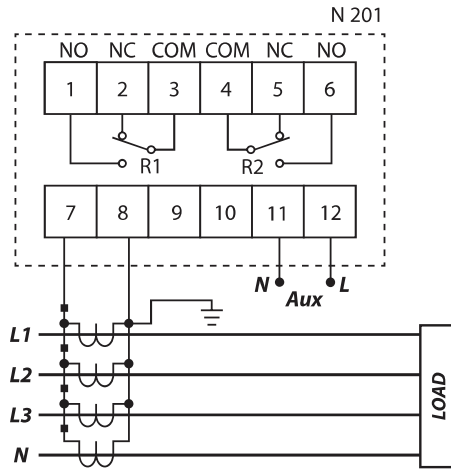
ENVIRONMENTAL CONDITIONS
Temperature   : -10°C to 55°C
Humidity   : 5% to 95%,
                          non-condensing

MECHANICAL
Mounting   : Panel mounting
Dimension (mm)   : 72(w) x 72(h) x 97(d)
Enclosure protection   : IP40 at the panel
Approximate weight   : 0.3k g

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Typical Application Diagram

N 201

NO	NC	COM	COM	NC	NO
1	2	3	4	5	6

R1   R2

| 7 | 8 | 9 | 10 | 11 | 12 |

N • Aux • L

L1
L2
L3
N

LOAD

Ordering Information

MODEL **DESCRIPTION**

N201 - 240AD   For 50 Hz system, auxiliary voltage 85~265 V AC / 110~370 V DC

N201 - 240AD6   For 60 Hz system, auxiliary voltage 85~265 V AC / 110~370 V DC

Case Dimensions

72 mm
72 mm
Front

97 mm
89 mm
Side

68.0 ± 0.5 mm
Panel Cutout
68.0 ± 0.5 mm