



# NX201A

## 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, 50G, 51N, 51G

## Technical Data

### RATINGS

Rated current ( $I_n$ )	: 5 A
Rated frequency	: 50 Hz
Burden	: < 0.3 VA at $I_n$
Thermal withstand	: 4 x $I_n$ continuous

### ACCURACY

Protection thresholds	: $\pm 5\%$
Time delay	: $\pm 5\%$ with a minimum of 50 ms

### INDICATORS

Auxiliary supply	: Green indicator
Pick-up	: Red indicator
Trip	: Red indicator

### AUXILIARY SUPPLY

Model NX201A-240A	: 198 ~ 265 V AC
Model NX201A-110A	: 94 ~ 127 V AC
Supply frequency	: 50 Hz
VA rating	: 3 VA typical

### OUTPUT CONTACTS

Trip contact (R1)	: Manual reset type
Rated voltage	: 250V AC
Contact rating	: 5 A
Expected electrical life	: 100,000 operations at rated current
Expected mechanical life	: 5 x 10 <sup>6</sup> operations

### ENVIRONMENTAL CONDITIONS

Temperature	: -10°C to 55°C
Humidity	: 5% to 95%, non-condensing

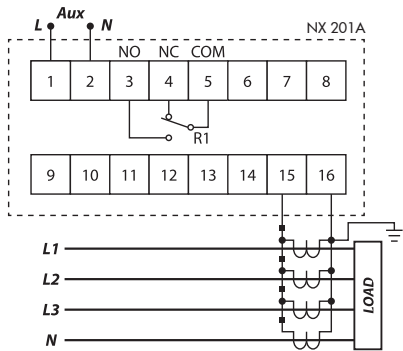
### SETTING RANGES

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

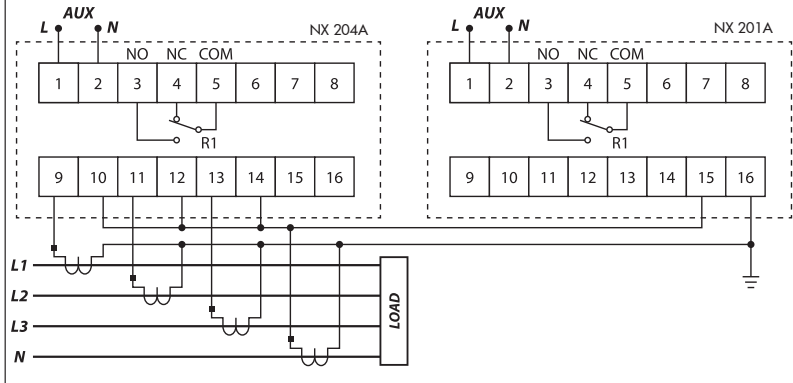
### MECHANICAL

Mounting	: Panel mounting
Dimension (mm)	: 96(w) x 96(h) x 90(d)
Enclosure protection	: IP30
Approximate weight	: 0.6 kg

### Typical Application Diagram



### Combined IDMT Overcurrent & Earth Fault Relays



### Ordering Information

MODEL	DESCRIPTION
NX201A - 240A	For 50 Hz system, auxiliary voltage 198 ~ 265 V AC
NX201A - 110A	For 50 Hz system, auxiliary voltage 94 ~ 127 V AC

### Case Dimensions

