

N301



N302



# N302 301

## Features

- Trip starting indicator
- Detection of no connection to current transformer for extra safety
- Relay tripped indicator
- High immunity to electrical interference
- Earth leakage level indicators

## Features for N302 only

- Safety output contact
- Earth leakage level indicators

## Technical Data

### AUXILIARY SUPPLY

Model N301/302 -240AD : 85 ~ 265 V AC/  
110 ~ 370V DC  
Rated frequency : 50 / 60 Hz  
VA rating : 3 VA typical

### SETTING RANGES

Sensitivity adjustment : 0.03 A to 30 A  
Delay time adjustment : 0 sec to 3.0 sec

### PERFORMANCE

Setting accuracy : -15% to +0%  
Timing accuracy : ±5%

### OUTPUT CONTACTS

Contact arrangement : 2 x manual reset type  
: NC and NO contacts available  
Rated voltage : 250 V AC  
Contact rating : 5 A  
Expected electrical life : 100,000 operations at rated current  
Expected mechanical life : 5 x 10<sup>6</sup> operations

### INDICATORS

Auxiliary supply : Green indicator  
Time delay : Red indicator  
Trip : Red indicator  
Real-time leakage current : Red in dicator

### ZERO - PHASE CURRENT TRANSFORMER

To operate with Mikro's ZCT series of current transformer

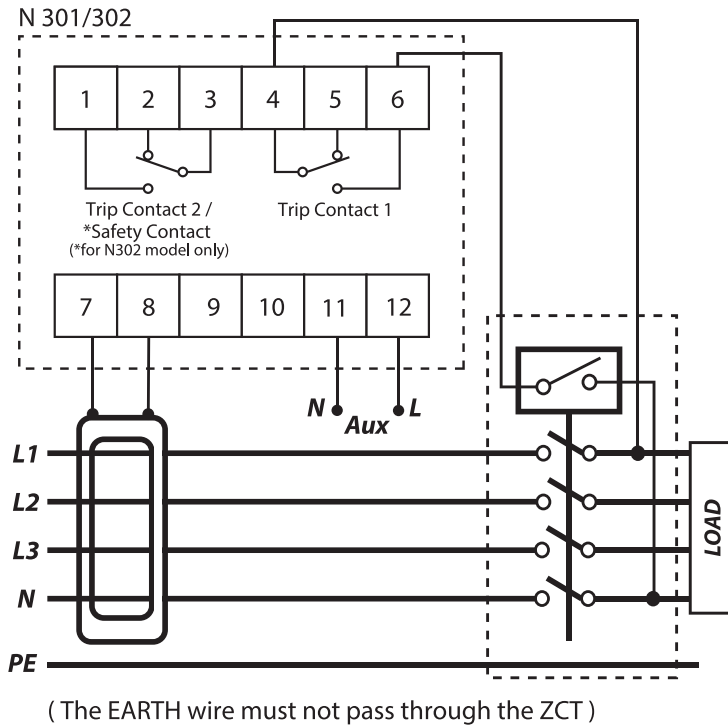
### ENVIRONMENTAL CONDITIONS

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

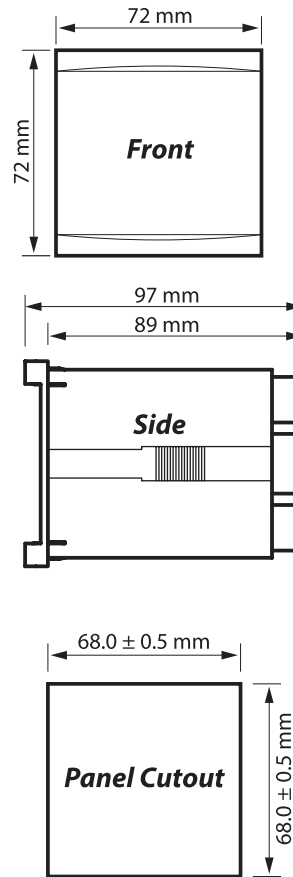
### MECHANICAL

Mounting : Panel mounting  
Dimension (mm) : 72(w) x 72(h) x 97(d)  
Enclosure protection : IP40 at panel  
Approximate weight : 0.3kg (excluding ZCT)

### Typical Application Diagram



### Case Dimensions



### Ordering Information

MODEL	DESCRIPTION
N301 - 240AD	For 50 Hz system, auxiliary voltage 85 ~ 265 V AC / 110 ~ 370 V DC
N302 - 240AD	For 50 Hz system, auxiliary voltage 85 ~ 265 V AC / 110 ~ 370 V DC
N301 - 240AD6	For 60 Hz system, auxiliary voltage 85 ~ 265 V AC / 110 ~ 370 V DC
N302 - 240AD6	For 60 Hz system, auxiliary voltage 85 ~ 265 V AC / 110 ~ 370 V DC