

9. RECORDS

- Record the 3 latest tripped faults current or "tSt" for manual trip test.
- The records are stored in non-volatile memory.
- To clear the entire record database:
 - Step 1: When the relay is healthy, press [RESET] button to step to most recent trip fault record or [FUNC] digit shown "A".
 - Step 2: Press [▲] and [▼] buttons simultaneously and hold for 3.5s or the [DATA] show "0". It will clear the entire fault records database.

10. TECHNICAL DATA

AUXILIARY SUPPLY

DIN330-230A(6).....184~276 VAC
 Rated frequency.....50Hz or 60Hz
 VA Rating.....3 VA typical

SETTING RANGES

Sensitivity adjustment.....30mA, 50mA,
 0.10~1.00A (step=50mA),
 1.00~10.0A (step=1.00A)
 Delay time adjustment.....Instantaneous,
 0.1~3.0s (step=0.1s)
 Number of shots.....0~30 (step=1)
 0=Disable reclose function
 Dead time.....1~500sec (step=1sec)
 Persistent fault time.....0~500sec (step=1sec)
 0=Disable
 Reclaim time.....0~500min (step=1min)
 0=Disable
 Lockout self reset time.....0~200hrs (step=1hour)
 0=Disable
 Programmable contact.....0~6 (step=1)

INDICATORS

Pre-fault alarm.....Red indicator
 Leakage trip delay time.....Red indicator
 Leakage trip.....7-segment display and red indicators
 Manual test trip.....7-segment display and red indicators
 ZCT connection fault.....7-segment display and red indicators
 Trip records.....7-segment display
 Real-time leakage current.....7-segment display

RECORDS

Fault record.....3 latest trip fault current or "tSt"
 for manual trip test
 Storage.....Non-volatile memory

DIGITAL INPUT PORT

Remote reset.....N.O. Dry contact

OUTPUT CONTACTS

Contact rating.....5A (NO) / 3A (NC) / AC1
 Contact arrangement.....Change over
 Expected electrical life.....10,000 at rated current
 Expected mechanical life...5,000,000 operations

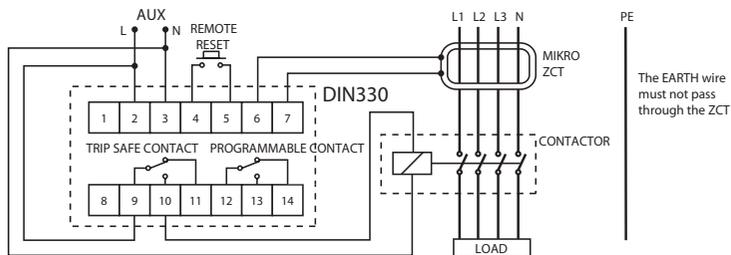
ZERO-PHASE CURRENT TRANSFORMERS

To operate with Mikro's ZCT series of current transformers

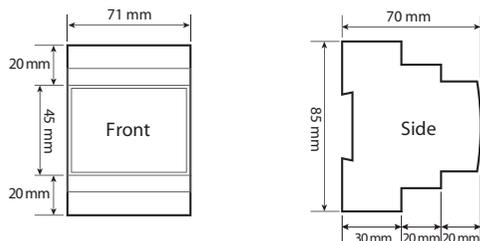
MECHANICAL

Mounting.....Standard 35mm DIN rail
 mounting
 Approximate weight.....0.38kg (excluding ZCT)

11. CONNECTION DIAGRAM

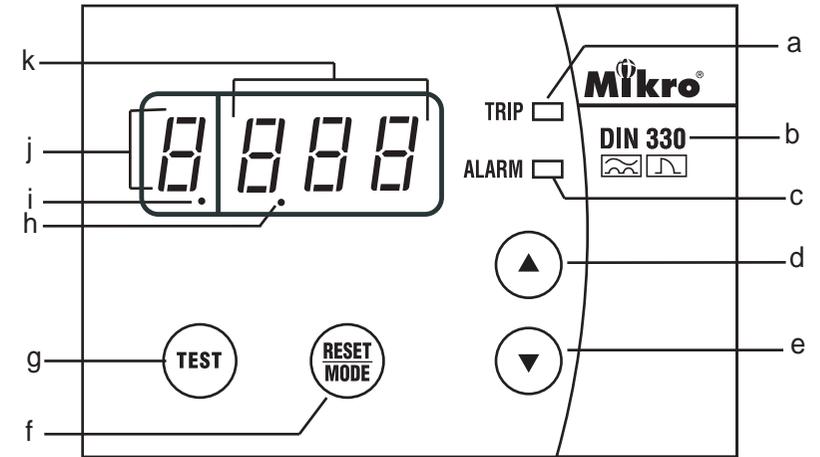


12. CASE DIMENSION



DIN330 Self-Reclosing Earth Leakage Relay User's Manual

A BRIEF OVERVIEW



- a - Trip status indicator
- b - Model
- c - Alarm status indicator
- d - Increment button
- e - Decrement button
- f - Reset button
- g - Integral test button
- h - DP2 indicator
- i - DP1 indicator
- j - FUNC display
- k - DATA display

1. DESCRIPTION

The DIN330 is microprocessors based earth leakage relay with built in self-reclosing function.

The earth leakage protection module is designed for measure the low-level current flowing from the live part of the installation to the earth in the absent of the insulation fault. A zero phase current transformer is connected to the relay and function as the sensor for sensing the leakage current. All conductors of the circuit to be protected shall go through the ZCT.

While the self reclosing module provide multiple numbers of shots operation. It also incorporates intelligent to differentiate the transient fault or persistent fault.

