



Powering Innovation



PROTECTION + AUTOMATION + CONTROL

EARTH LEAKAGE RELAY (0.05 TO 1.0A) JRC 974

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FEATURES

- ◆ Bar graph indication of leakage current
- ◆ Remote reset and test facility
- ◆ Wide range of settings
- ◆ Low burden

APPLICATION

The relay provides time graded earth leakage protection for generators, transformers, capacitors, feeder etc



PRINCIPLE OF OPERATION

The relay provides earth leakage protection for power systems. The relay operating time is determined by a programmable definite time delay. The relay measures the earth leakage current from the CBCT and if it exceeds the set threshold, the relay extends a trip signal after the operating time. The relay output contacts are self reset type. TEST button facilitates verification of relay contacts.

TECHNICAL DATA

RATINGS

Relay setting

Current rating (In)	:	0.03 to 0.1A / 0.3 to 1.0A 0.03 to 0.1A / 0.15 to 0.50A 0.3 to 1.0A/ 1.5 to 5.0A
Auxiliary Supply	:	110V/220V AC

SETTINGS

Current setting	:	0.03 to 0.1A in steps of 0.01A 0.3 to 1.0A in steps of 0.1A 0.03 to 0.1A in steps of 0.01A 0.15 to 0.5 in steps of 0.05A 0.3 to 1.0A in steps of 0.1A 1.5 to 5.0A in steps of 0.5A
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OVER LOAD RATINGS

Current input	:	10 times the rated continuously
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BURDEN

Auxiliary circuit	:	≤ 3W (Non-operated) ≤ 6W (operated) ≤ 2VA at rated current
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ACCURACY

Operating value	:	+ 5%
Operating time	:	± 5% or ± 30ms (which ever is higher)

CONTACTS RATINGS

Output contacts - 1&2 : 10A at 24V DC / 230V AC

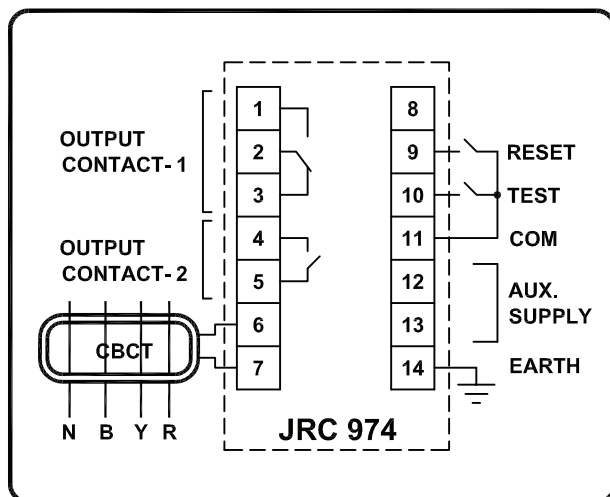
MECHANICAL DESIGN

Weight : Approximately 500g
Case size : 96mm x 96mm x 105mm
Installation : Flush mounting
Panel cutout : 92mm x 92mm

STANDARD COMPLIANCE

Accuracy Test : IEC 60255-3
Insulation Test : IEC 60255-5

RELAY TERMINAL DIAGRAM



ORDERING INFORMATION

Current rating : 0.03 to 1.0A
0.03 to 0.5A
0.3 to 5.0A

Relay Type : JRC 974

Aux. Supply : 110V / 220V AC

CBCT Dimension : 35, 70, 100mm Dia or
Customized CBCT dimension.

CBCT Type : Tape Wound or Resin Cast