

BEE CBCT

SALIENT FEATURES

- All ratios available to match commonly available ELRs.
- Compact.
- Light weight.
- Encapsulated ABS moulding.
- Terminals are finger proof touch as per IEC 44-1 and IEC185
- Cost effective.

ADVANTAGES

- Highly linear.
- Highly accurate.
- Light in weight.

APPLICATIONS

- For detection of leakage current & transmitting proportional signal to ELR.



TECHNICAL SPECIFICATIONS

System Voltage	720V max.
Insulation Voltage	3 kV for 1 minute
System Frequency	50/60 Hz
Maximum permissible current	1 kA continuous 5 kA for 1.5 sec
Current Ratio	1/1000, 1/600 any other on request

MECHANICAL SPECIFICATIONS

Terminal conductor	≤ 2.5 sq.mm
Distance between toroid and relay	< 50 meters
Enclosure	Flame retardant glass filled ABS
Mounting	Four fixing slots

SUPPLY SPECIFICATIONS

Supply Voltage	90-270V AC/DC (±15%)
Supply Frequency	50/60 Hz
Power Consumption	3VA max.

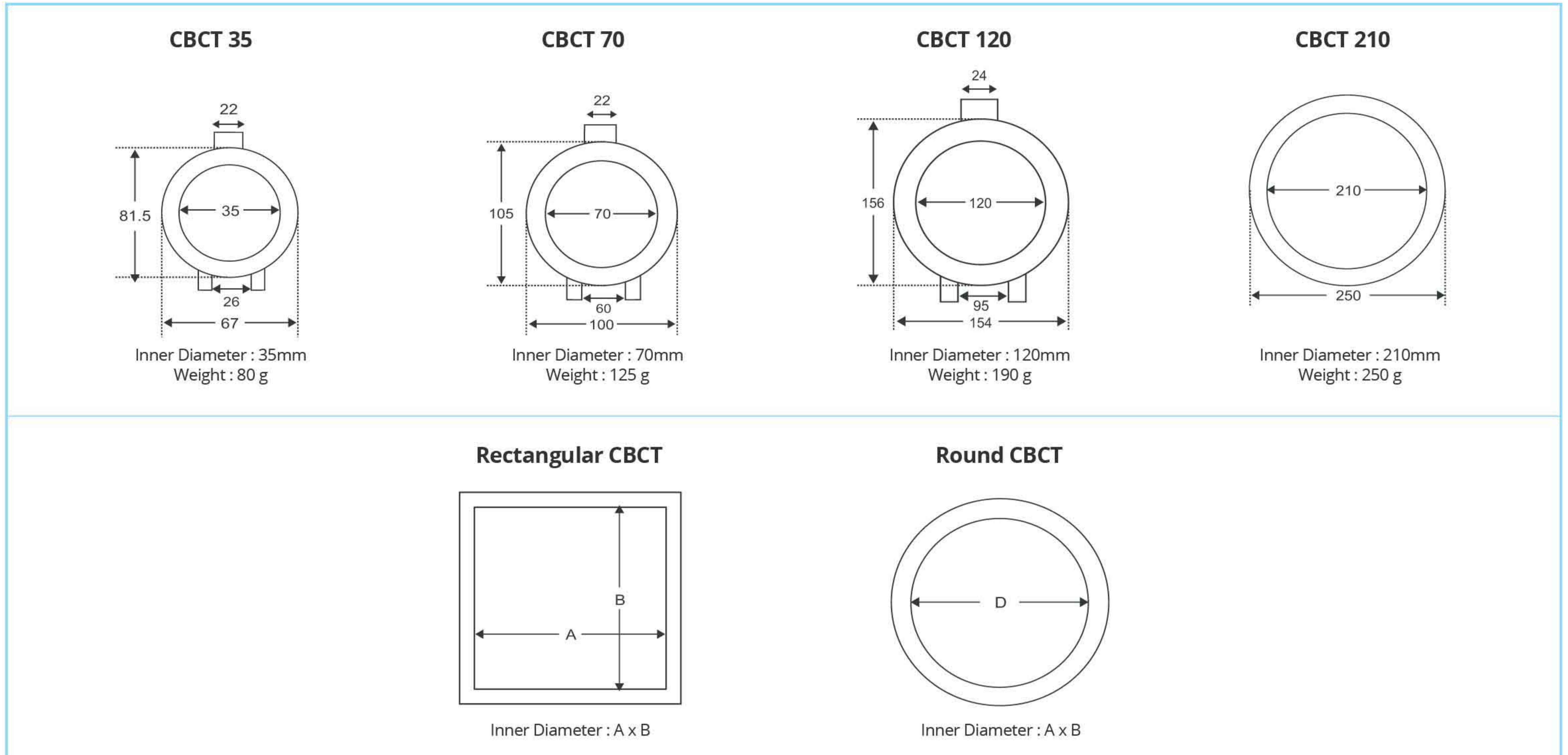
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 70°C
Humidity	< 95 RH

OUTPUT SPECIFICATIONS

Alarm Relay Output(optional)	50% of Range 1 SPDT switch NO(5A and 240V AC) NC (5A and 240V AC)
Trip Relay Output	80-90% of Range 1 SPDT switch NO (5A and 240V AC) NC (5A and 240V AC)
Relay Contacts	1 potential free contact (NO,C & NC)
Contact Rating	6A/230V AC/28V D

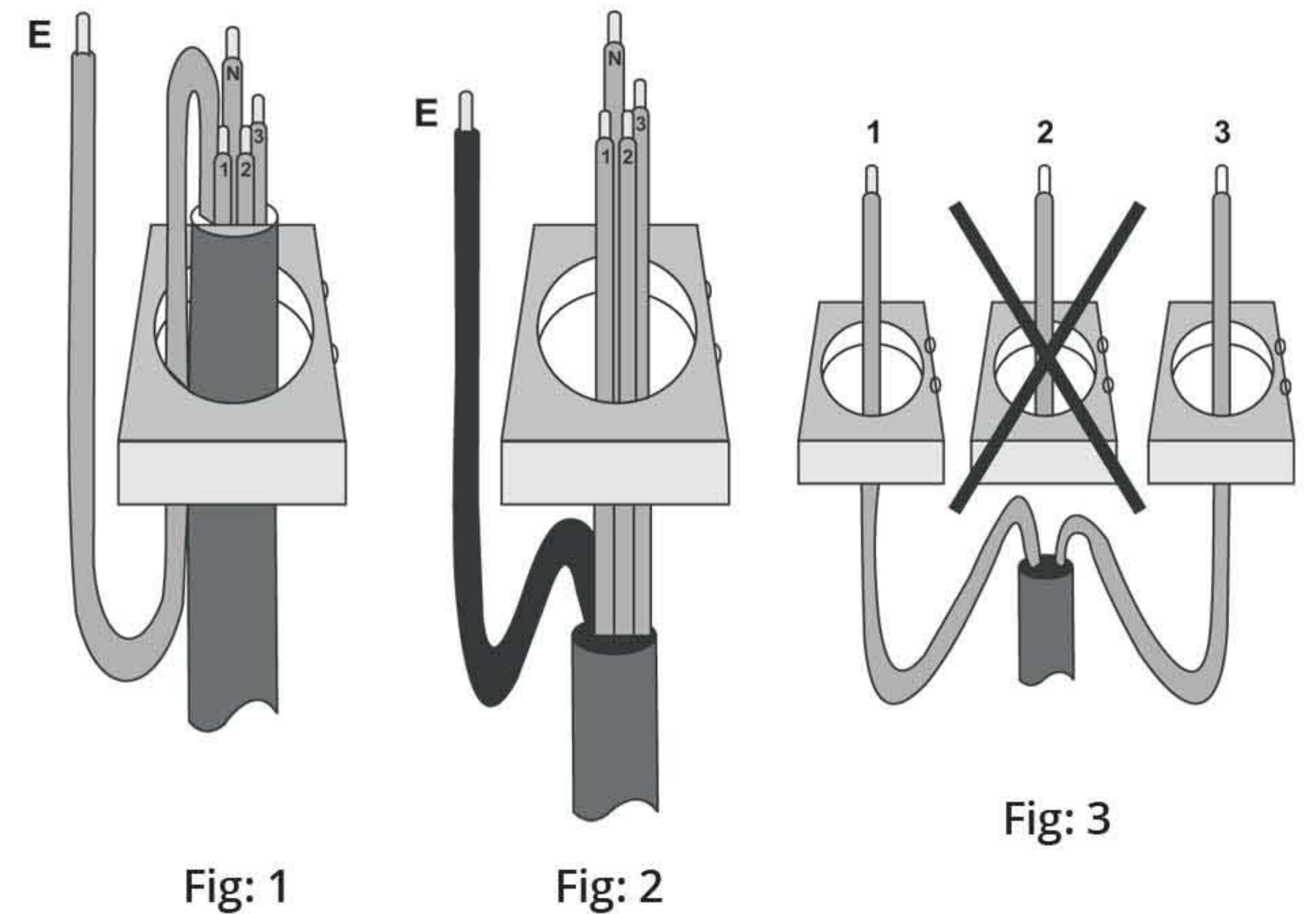
DIMENSIONS



INSTALLATION GUIDELINES

Correct installation of the Earth Leakage Relay and toroid should ensure trouble free operation, if this documents is followed.

- Always ensure the Earth conductor Does Not pass through the toroid. If it is unavoidable, the Earth must be routed back through the toroid again and around, as shown in Fig:2 beside.
- As a rule, select a toroid that has an inside diameter which is twice that or greater than the outsider diameter of the cables to be passed through.
- Ensure the cable is central in the toroid.
- Place the toroid on a straight, section of cable, not near a bend.
- Keep the cable and toroid from intense magnetic fields from nearby equipment.
- Do not pass individual through separate toroids, as shown in Fig: 3.



CONNECTION DIAGRAM

