Technical Specifications

Earthing and Auxiliary Transformer Resistor controller

Environmental requirements:

a) For indoor use, it shall be well ventilated.
b) Ambient temperature: -10°C ~ +55°C.
c) Relative humidity: less than 90%, there shall be no condensation on surface.
d) Atmospheric pressure: 80 ~ 110Kpa.
e) Altitude: < 2,000m.
f) There shall be no conductive dust in surrounding medium, and there shall be no corrosive gas or mould etc. that will cause metal or insulation to be damaged.
g) There shall be windproof, rainproof and dustproof facilities at installation site

Technical parameters:

a) Operational power supply: AC/DC220V
b) Power consumption ≤ 20W.
c) Communication interface: RS485, baud rate 1,200 ~ 9,600bps.
d) Communication protocol: Built-in MODBUS.
e) Alarm contact rating: AC250V 5A.

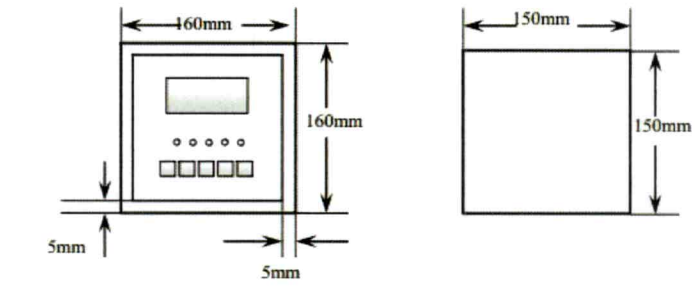
Functions and Features:

a) When it detects that the grounding current is larger than the set alarm current value, it should send alarm signal.
b) It can record the times of grounding.
c) In case of any fault, it should display fault report.
d) It can choose to use the ambient temperature and humidity monitoring function depending on the needs.
e) When the resistance temperature exceeds the set value, the device should send alarm signal.
f) Infrared temperature transducer is optional to measure resistance temperature, which can achieve non-contact temperature measurement.
g) Communication interface can transmit related information to the higher level of monitoring system.
h) It can save thirty pieces of recent fault information; no data will be lost after power failure.
i) Hardware watchdog circuit can prevent system crash.
j) CT ratio can be set.
k) Man-machine interface operation is easy and convenient, full English menu, information display is rich and intuitive.

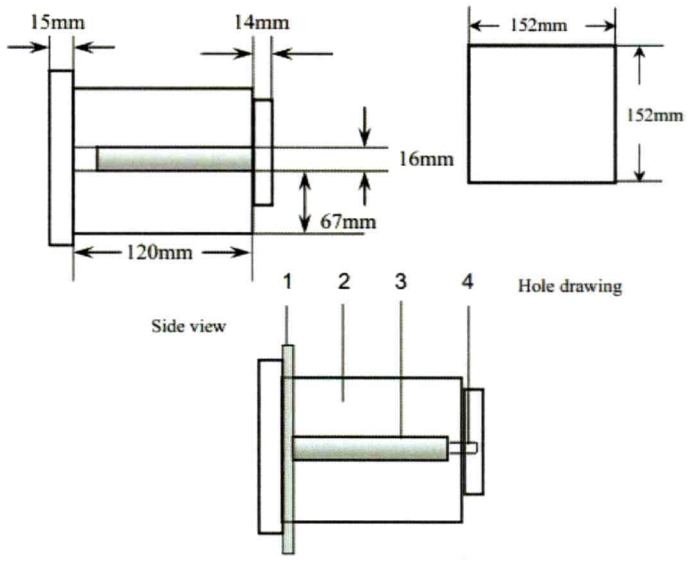
Panel Description:

a) LCD: 128 × 64 dot matrix LCD, full Chinese display.
b) Indicator lights: Indicate current running state of the system:
c) Grounding: This light will be on in case of single-phase grounding of the system.
d) Heating: The heater will be started when the ambient humidity is higher than the set value of the system or the ambient temperature is below the set value.
e) Air exhaust: The fan will be started when the resistance temperature is higher than the set value of the system.
f) Run: This light will flash when the device is powered on.
g) Resistance overheating: This light will be on when resistance card is overheating.
h) Buttons: Used to set parameters, view information and other operations.

External dimensions and installation dimensions:



Front view Back view



Side view Hole drawing

1: Screen body 2: Cabinet 3: Fixed bar 4: fixed screw

Scheme of installation

Bill of Quantity

#	Description	Quantity
1	Earthing and Auxiliary Transformer Resistor controller	6