Panel-type short-circuit to ground fault indicator

Instructions and installation manual

I. Overview

A new type of detection equipment, real-time monitoring of each circuit, when the line fault, can prompt or directly display the fault cable, to improve work efficiency, quickly restore power supply has a great significance.

2. Main functions

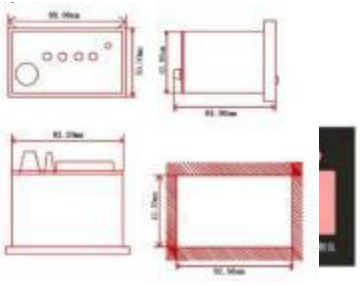
1. Short circuit current alarm: short circuit current sensor on the running high voltage cable, when the line current reaches or exceeds the set value (can be adjusted according to the user needs before the factory), the short circuit sensor in the alarm signal to the host, after the host signal, the corresponding alarm signal on the panel, some models can also directly send the signal to the main control system.
2. Earthing current alarm: grounding current sensor detects the ground current of the user cable, when the current in the grounding line reaches or exceeds the setting value (can be adjusted according to the user needs before the factory), grounding current sensor through fiber alarm signal to the host, the host receives the signal, the corresponding alarm signal on the panel, some models can also be directly sent to the main control system.
3. Automatic reset: When the host sends out the alarm signal, without manual reset within 12 hours (or other customization time), the indicator will be automatically reset.
4. Manual reset: When the indicator is in the alarm state, the alarm l reset by pressing the reset

nspection through the reset / test
usly press the reset / test button on
st can enter the self-built state,
el is on, and the output relay is
e, so as to check the normal working state.

6. Temperature test and alarm (temperature measurement type): the temperature measurement type short circuit sensor detects the temperature of the high voltage cable online under the working state, and transmits it to the host LCD screen in real time when the temperature change is large.The host screen flashes an alarm

at temperatures above
system sends the transm
the main opportunity s
signals to the main co

3. Overall dimension and t



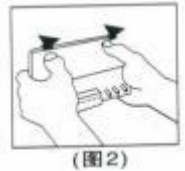
Hole size (panel):
92.5mm ±0.3mm ×
43.5mm±0.3mm

- Complete product composition:
- Main machine * 1 short circuit sensor * 3
- Grthing sensor * 1 Four optical fibers * 1

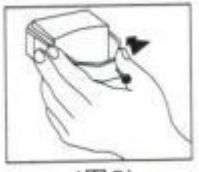
Terminal diagram:

Iv. Technical parameters

Applicable voltage grade:	9-tg〉V
applicable load:	0-900A
Applicable wire current:	I ≤L000A
Applicable wire diameter:	Zgmm 2≤p ≤V 00mm 2
action response time: static	.090S ≤T ≤tS
power consumption:	≤LO μW
Action reset time: Use	9, LZ, ZV, t 9 hours
ambient temperature:	optional-V 0℃ T + Lg ℃
number of actions:	<V 000 times
Ground fault starting value:	Factory default Z 0A, Z 0ms (The g-g 0A customizable accuracy is ± L 0%)
	Factory default is 800A, Z0ms



(图2)



(图3)

(± t 00-Lg 00A customizable precision ± L 0%)

V. Installation method and installation schematic diagram

L .The host of the indicator is installed on the front panel of the power distribution cabinet

(图1)

Z .The three short circuit current sensors are mounted on the A, g and 0 phases of the cable and must be fastened to the detected line.

(图4)

t .The ground current sensor is installed at the lower end of the three-phase cable, and its yoke should surround the three phases.

V .Structure diagram after installation: