



### SFI-W1~W5 aerial type short circuit and earth fault indicator

- This product series are suitable for aerial lines.

Faults indicate: white window display when the operation is normal; red window display when the short circuit or earth fault occurs.

Model	Display mode	Installation mode	Installation position	Features
SFI-W1	Flop	Press spring clamp	Overhead	Indicate inter-phase short-circuit fault
SFI-W2	Flop, light			Indicate inter-phase short-circuit fault, intelligent display mode, automatic conversion of display mode according to the light intensity, use flop display at daytime, and light display at night.
SFI-W3	Flop			Indicate inter-phase short-circuit fault and single phase grounding fault
SFI-W4	Flop, light			Indicate inter-phase grounding fault and short-circuit fault, intelligent display mode, automatic conversion of display mode according to the light intensity, use flop display at daytime, and light display at night.
SFI-W5	Flop, light			Indicate the single phase grounding fault, short-circuit fault and the overflow caused by lightning and so on. The line trips when the overflow detection chamber detects a current sudden-changeover 150A, which can restore power supply after 3s. With remote communication function.

### Product features

- Online operation: directly installed in the power line, suitable for long-term outdoor operation
- Automatic reset: with the function of identifying the nature of fault, can reset promptly after restoring power supply for the permanent fault, reset according to the appointed time of user for the instantaneous fault.
- Strong anti-interference: signal is not affected by line, magnetizing inrush current, high order harmonics, current fluctuations, especially the influence of cable distribution capacitance bypass
- Electrified loading and unloading: It is extremely simple and non-affecting of the line operation.

### Functions

- Communication mode: SFI-W5 has short distance wireless transmission and GSM (GPRS) wireless communication;
  - Reset mode: Timing reset;
  - Fault identification: Automatic identification of short circuit and ground fault;
  - Local display: Fault alarm with flop or light display can be observed in 360°;
- SFI-W5 has the functions of real-time operating status computer display and sending fault description information to the mobile phone of management staff according to the regulations.

### Technical data

Line voltage	6-35kV
Wire current	1≤1200A
Wire diameter	8-240mm <sup>2</sup>
Action response time	0.02S≤t≤3S
Static power consumption	≤10μW
Action reset time	6,12, 24, 36 hours optional, special time can be customized
Aging time	10year
Adaptive environmental temperature	45°C~+85°C
Action times	No less than 5000 times
Weight	420g

### Outside drawing

