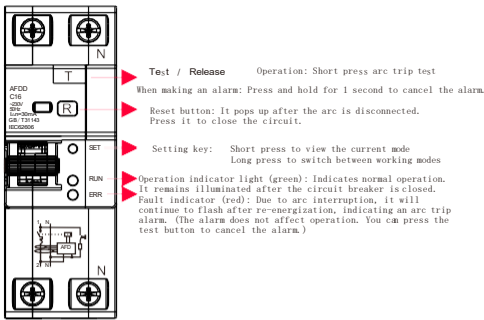


Fault arc protector

instruction manual



Test / Release Operation: Short press arc trip test
When making an alarm: Press and hold for 1 second to cancel the alarm.
Reset button: It pops up after the arc is disconnected.
Press it to close the circuit.

Setting key: Short press to view the current mode
Long press to switch between working modes

Operation indicator light (green): Indicates normal operation.
It remains illuminated after the circuit breaker is closed.
Fault indicator (red): Due to arc interruption, it will
continue to flash after re-energization, indicating an arc trip
alarm. (The alarm does not affect operation. You can press the
test button to cancel the alarm.)

I) product introduction

The fault arc protector (hereinafter referred to as the protector) can effectively detect the fault arc in the access line, including the fault parallel arc and the fault series arc. When the fault arc causing fire is detected in the line, it can perform the function of disconnection and power-off to realize the purpose of early warning of fire.

The fault arc protector is applicable to the electrical lines of 10kW and below in industrial and civil buildings. The length of the protected lines should not exceed 100 meters.

The products comply with IEC62606 standard and can be applied to nursing homes, schools, commercial buildings, hotels, factories warehouses, libraries, offices, family houses and entertainment places.

II) : Product technical parameters

Item	Parameter
model	
Working power supply	1P+N,2P(AC230V);3P+N,4P(AC400V)
Rated frequency	50Hz,60Hz
Monitoring alarm	Fault arc alarm (load below ac63A)
Voltage	Rated value ac230v
Electric current	Rated value: ac63A and below
Overall dimensions	1P:54*94*65 2P:72*94*65
Installation method	35mm guide rail installation
Run indicator	Normal operation, the indicator flashes
Setup	Set button
Breaking capacity	Rated short-circuit breaking capacity ICN (KA): 4.5
Protection level	IP20
Wiring capacity	1-25mm
Outlet characteristics	C , D
Electrostatic discharge resistance	Air discharge > 8; Contact discharge > 6
Pulse group anti-interference	4KA
Surge impact interference	4KA
Operating ambient temperature	-23~+55°C
Damp heat resistance	Type 2
class of pollution	2
Installation type	Level M
altitude	2000m
Installation environment	Ground without significant vibration and impact

III) Product Settings

"Set Button": The set button is hidden inside and can be used by inserting a paperclip. Press briefly (the running light will indicate the current working mode by flashing the number of times. Press for a long time (it will switch among 4 working modes)

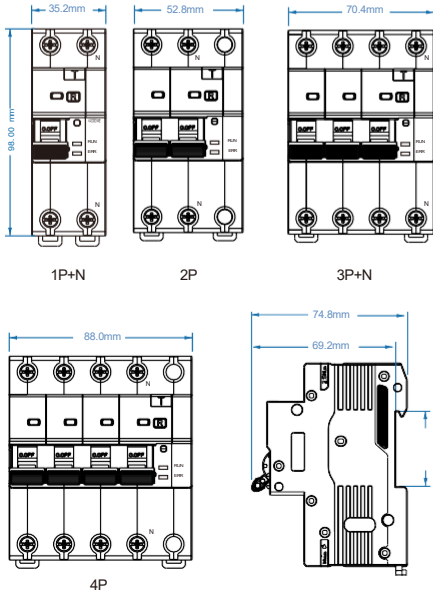
Flash once: Anti-interference mode. It is suitable for scenarios with strong interference, such as large machine tools and high harmonic pollution (the sensitivity will be weaker).

Flash twice: Strict mode. It is suitable for general factories, centralized lighting, large offices, shopping malls, and places with complex power conditions.

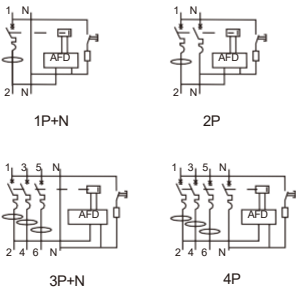
Flash three times: Normal mode. It is suitable for family residences, office buildings, dormitories, etc., in places with better power conditions.

Flashes 4 times: Sensitivity mode, suitable for scenarios with long lines, significant attenuation, and no interference from the power grid.

IV) product outline dimension and structure definition



V: Circuit schematic diagram - Without leakage current



With leakage current

