

Catalogue

WENZHOU XUCKY ELECTRIC CO.,LTD

www.xucky.com



Arc Fault Detection Devices - AFDD

AFDD

I) Product introduction

The arc fault detection device (hereinafter referred to as AFDD) 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 arc fault detection device is applicable to the electrical lines of 10kW and below in industrial and civil buildings. The length of the protection line should not be greater than 100m. The products comply with GB/t31143-2014 IEC62602 standard and can be applied to nursing homes, schools, commercial buildings, hotels, factories, warehouses, libraries, offices, family houses, and entertainment places.

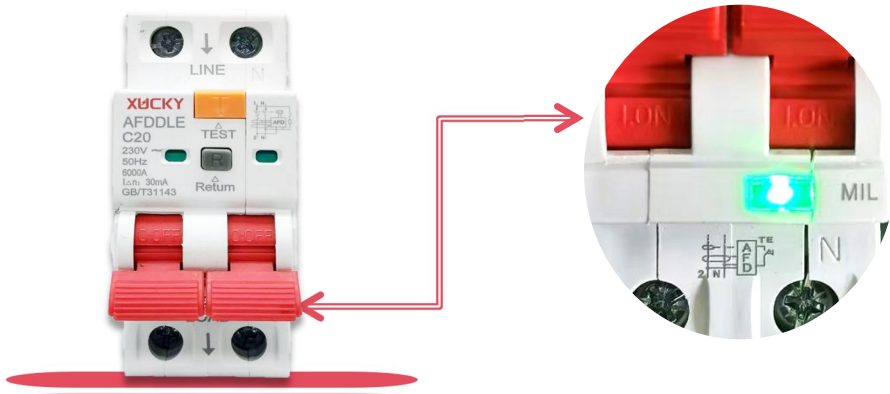
II) Technical Data Sheet

Items	Value
Model	AFDD
Working power supply	Rated voltage: AC230V
Rated frequency	50Hz
Monitoring alarm	Fault arc alarm (load below AC63A)
Voltage	Rated value AC230V
electric current	Rated value: AC63A and below
Overall dimensions	82*35.2*62mm
Installation method	35mm guide rail installation
Run indicator	Normal operation, the indicator flashes
SET	Set button
Breaking capacity	Rated short-circuit breaking capacity ICN (KA): 6
Protection level	IP20
Wiring capacity	1~25mm
Outlet characteristics	C,D
Electrostatic discharge resistance	Air discharge > 8; Contact discharge > 6
Pulse group anti-interference	6KA
Surge impact interference	4KA
Operating ambient temperature	-23~+55℃
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

Press and hold the setting key (press the needle for 3 seconds and then jog the setting) until the indicator light is on. After stopping for 3 seconds, the green light will flash automatically.

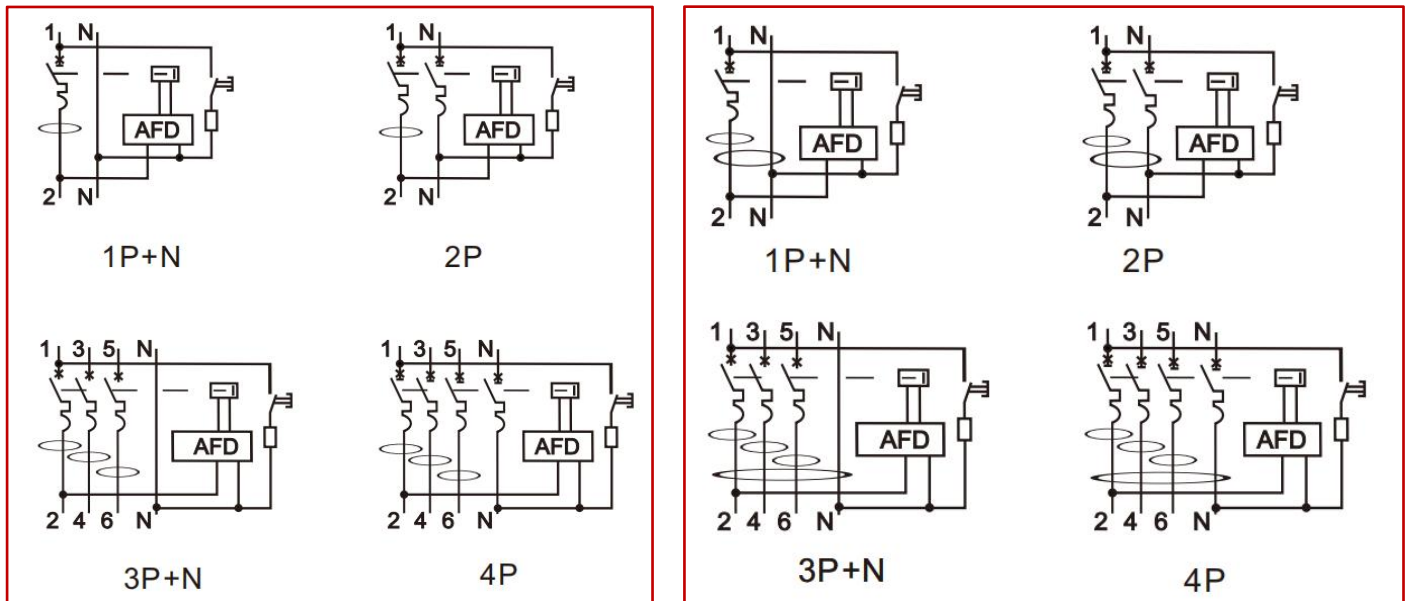
- ◇ Green light 1:High
- ◇ Red light 2:Medium (factory setting)
- ◇ Traffic light 3:Low
- ◇ No light On 4:Special equipment
- ◇ Pay attention to adjusting the settings according to the actual situation



IV) Wiring diagram

With leakage

Without leakage



V) Product outline dimension and structure definition

