



## Arc Fault Detection Device combined with RCBO (AFDD)



### Description

MK SENTRY AFDDs provide protection against fires caused by electrical arcing resulting from faulty wiring or poor connections. The AFDD analyses current/voltage characteristics to identify arcing and automatically trip to isolate the circuit. AFDDs detect arcing faults which can be undetected by MCBs and RCDs.

### Types of arc fault

Series arc fault, in-line conductor caused by;

- Loose connections
- Damaged cables (broken, crushed, worn cables)
- Rodent damage

Parallel arc fault, between live conductors, L-N and L-E undetected by MCB/RCD resulting from;

- Damaged insulation
- Pierced insulation (power tools, nails etc)
- Rodent damage
- Poor wiring / damaged appliance plugs

### Features

- Meets BS EN and IET Wiring Regulation requirements
- Single module
- DP switching
- MCB Curve B and C
- RCD Type A
- 6000A breaking capacity
- Reduces the risk of fire
- Positive status indication

### Standards and approvals

Product Standard: BS EN62606, BS EN61009-1

Product Certification: UKCA/CE

Degree of Pollution: 2

RANGE	
H4406s	AFDD/RCBO 6A DP MCB CURVE B, RCD 30MA TYPE A
H4410s	AFDD/RCBO 10A DP MCB CURVE B, RCD 30MA TYPE A
H4416s	AFDD/RCBO 16A DP MCB CURVE B, 3RCD 30MA TYPE A
H4420s	AFDD/RCBO 20A DP MCB CURVE B, RCD 30MA TYPE A
H4432s	AFDD/RCBO 32A DP MCB CURVE B, RCD 30MA TYPE A
H4440s	AFDD/RCBO 40A DP MCB CURVE B, RCD 30MA TYPE A
H4506s	AFDD/RCBO 6A DP MCB CURVE C, RCD 30MA TYPE A
H4510s	AFDD/RCBO 10A DP MCB CURVE C, RCD 30MA TYPE A
H4516s	AFDD/RCBO 16A DP MCB CURVE C, RCD 30MA TYPE A
H4520s	AFDD/RCBO 20A DP MCB CURVE C, RCD 30MA TYPE A
H4532s	AFDD/RCBO 32A DP MCB CURVE C, RCD 30MA TYPE A
H4540s	AFDD/RCBO 40A DP MCB CURVE C, RCD 30MA TYPE A

