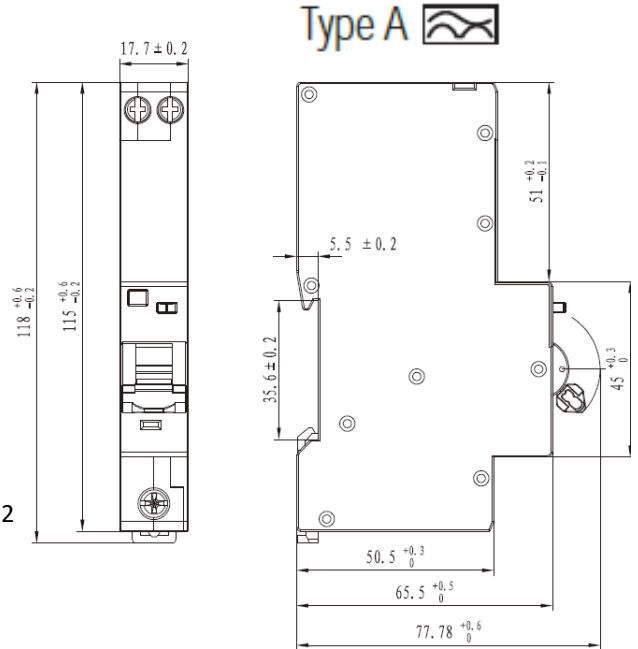


AFDR10 Range Class A DP AFDD/RCBO 1 MOD

Technical Data

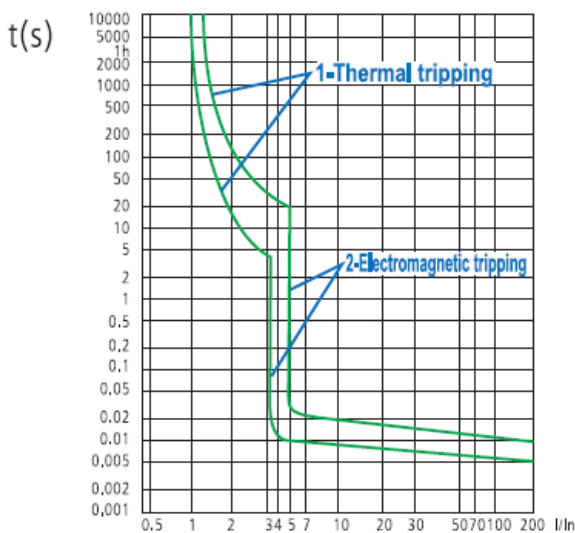
Product Operation	AFDD-RCBO
Standards	IEC/BS EN 62606, IEC/BS EN 61009-1
Breaking Capacity <i>I_{cn}</i>	10kA
Number of poles	2
Number of Poles Switched	1P+N
Rated currents	6, 10, 16, 20, 25, 32, 40A
Rated voltage	230/240VAC
Rated Residual Tripping Current	30mA
RCD Type	A
RCD Operation Principle	Electronic
Residual Current Disconnection Time	≤0.1s
Tripping Characteristic	B,C
Electrical endurance	>4000
Mechanical endurance	>10000
Ambient temperature	-25oC~+40oC
Connection terminal	Flexible 16mm ² , Rigid 25mm ²
Type of terminal	Lug type and Pin type
Width	17.8mm /module
Torque N.m	2
IP Rating	20
Energy Limiting Class	3



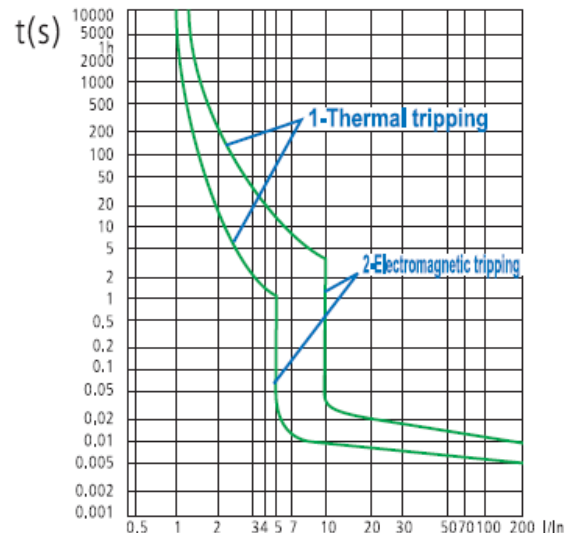
Residual Current Disconnection Times

I _n (A)	IΔn (A)	Max. Breaking times			
		IΔn	2IΔn	5IΔn	5A, 10A, 20A, 50A, 100A, 200A, 500A
6-40	0.03	0.1s	0.08s	0.04s	0.04s

Tripping Curves

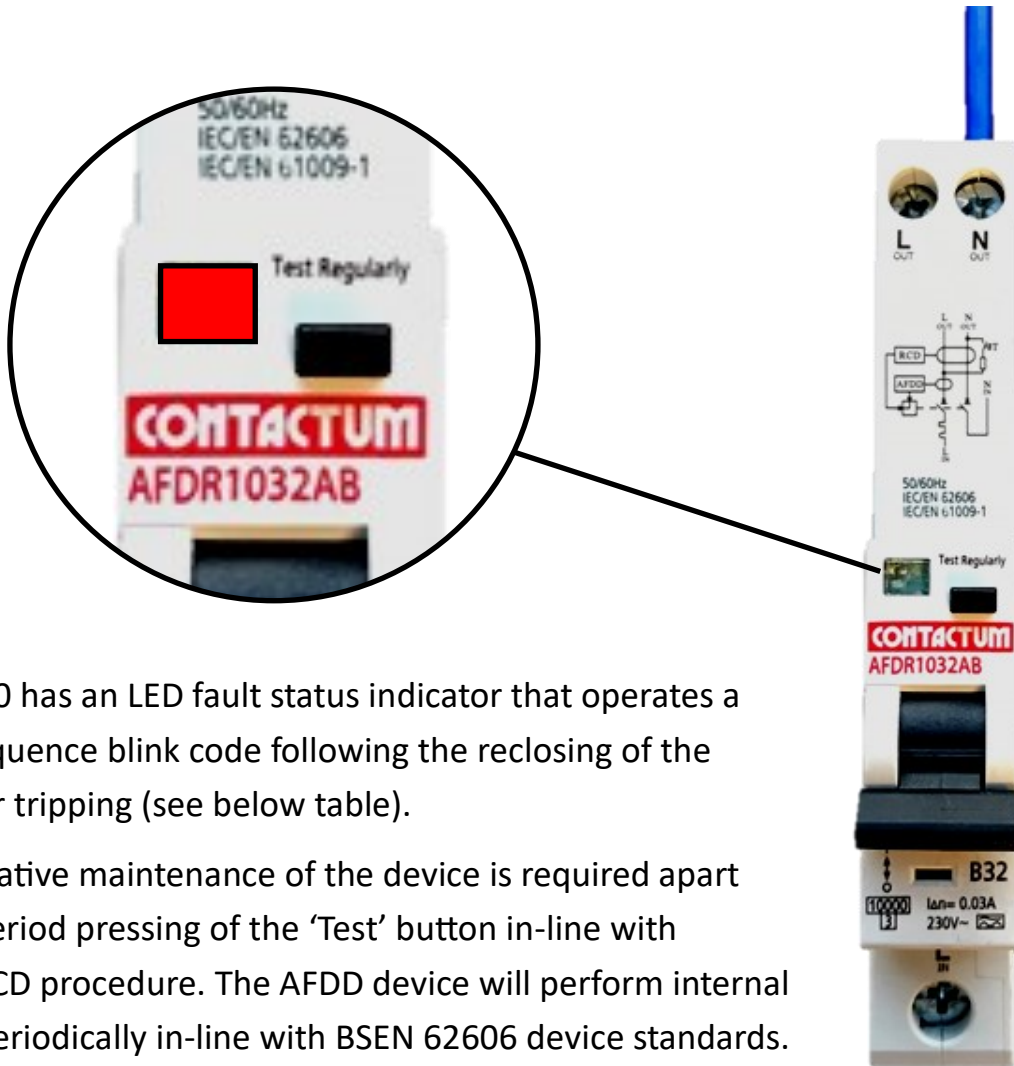


B type



C type

AFDR10 Fault Status Indicator Operation



The AFDR10 has an LED fault status indicator that operates a flashing sequence blink code following the reclosing of the device after tripping (see below table).

No preventative maintenance of the device is required apart from the period pressing of the 'Test' button in-line with standard RCD procedure. The AFDD device will perform internal self-tests periodically in-line with BSEN 62606 device standards.

LED Indication after Tripping and Reclosing	Colour	Description of Fault
Steady Light	Red Solid ☀	Overcurrent Fault or Residual Current Fault
1 Blink/Sec (Total 10 Sec)	Red Blinking ☀ ☀ ☀	Series or Parallel Arcing Fault
2 Blink/Sec (Total 10 Sec)	Red Blinking ☀ ☀ ☀	Overvoltage Fault ($U > 275V_{ac}$)
5 Blink/Sec (Continuous)	Red Blinking ☀ ☀ ☀	Internal Self-Test Fault