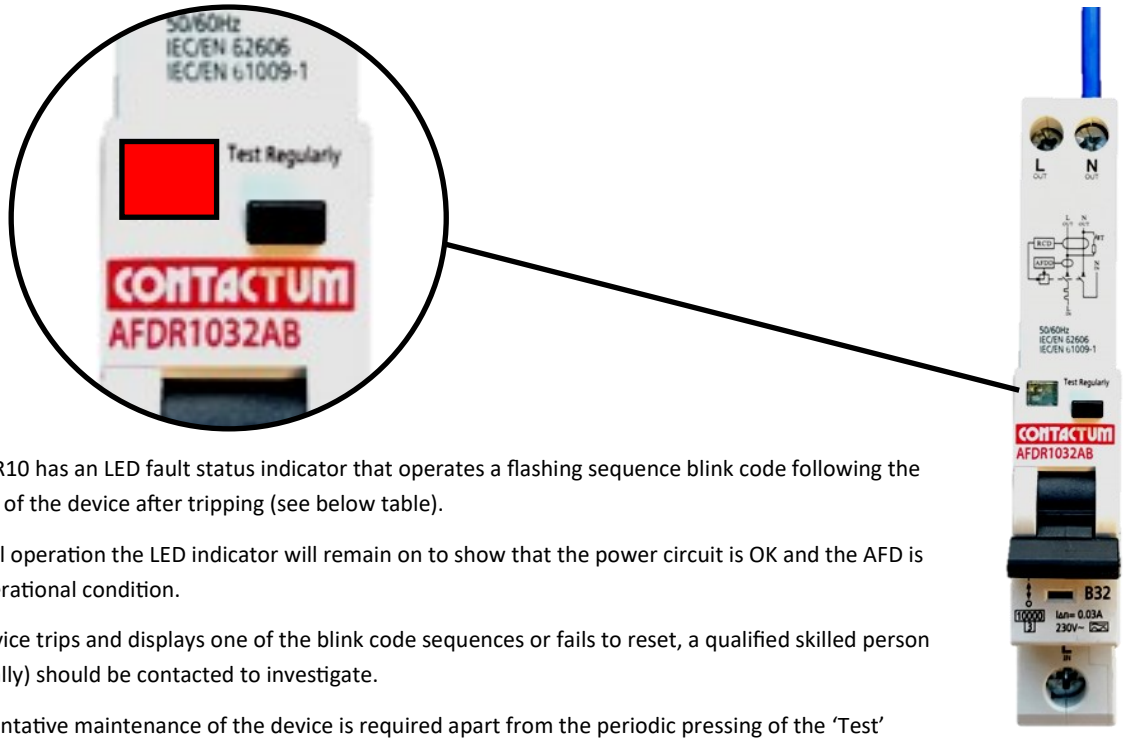
Important user information. Please keep near to consumer unit for future reference

AFDR10 Combined RCBO / AFDD 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).

In normal operation the LED indicator will remain on to show that the power circuit is OK and the AFD is in an operational condition.

If the device trips and displays one of the blink code sequences or fails to reset, a qualified skilled person (electrically) should be contacted to investigate.

No preventative maintenance of the device is required apart from the periodic pressing of the 'Test' button in-line with current regulations including BS7671. The AFD will perform an internal self-test periodically in-line with device standards.

LED status after switching device on	Description
Solid Red light*	Normal operation
1 blink per second for 10 seconds	Arc fault detected
2 blinks per second for 10 seconds	Overvoltage fault detected
Continuous Blinking**	Internal Self-Test fault detected

Installation Guidance

Mains power must be isolated prior to the installation of this device

This device must be installed by a qualified skilled person (electrically) in accordance with the current IET wiring regulations BS7671 requirements for electrical installations.

This device is to be installed within Contactum consumer units and distribution boards only.

Outgoing circuits must be disconnected from this device prior to carrying out insulation resistance tests. Failure to observe this point may render the device inoperable and will void the warranty.

This device contains sensitive electronic components. As such, Contactum recommends that an SPD is installed at the origin of the installation to offer enhanced protection from overvoltage situations which may result in damage to the device.

*** The LED indicator will not show an overcurrent or residual current fault. The unit will simply trip in this instance. Once this fault is cleared, the LED indicator should display a solid red light as normal operation.**

**** Continuous blinking of the LED is a warning that the self test has failed. In this instance, the device should be replaced as soon as possible.**

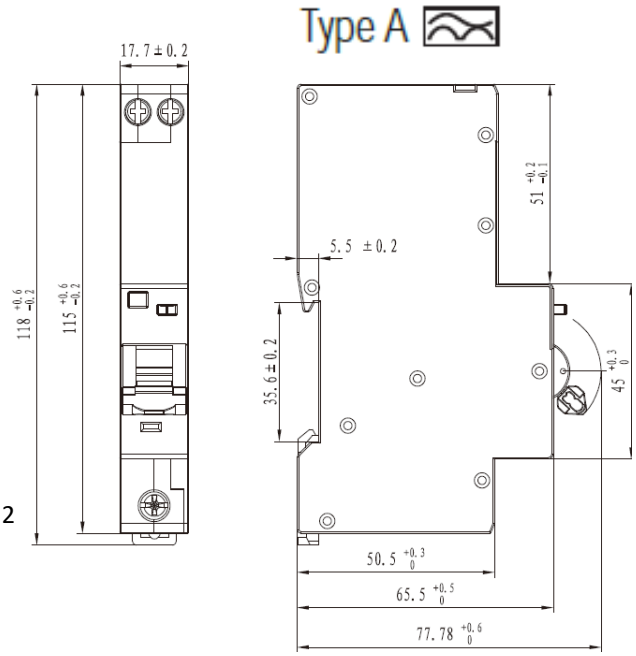
CONTACTUM

TECHNICAL SPECIFICATION

AFDR10 COMBINED RCBO / AFDD 1 MOD DP

Technical Data

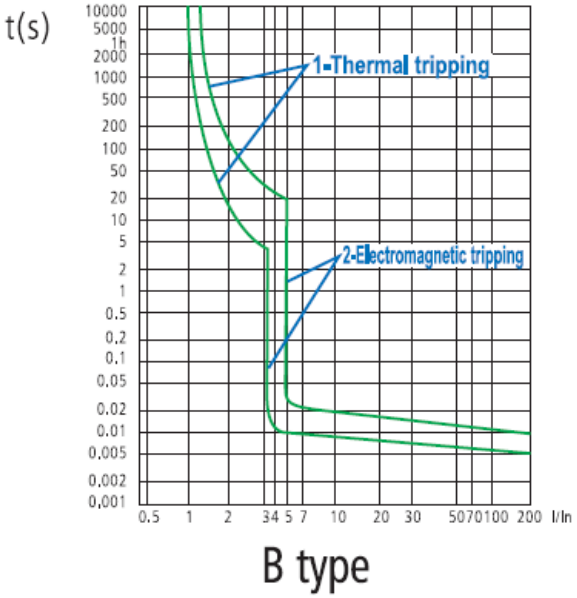
Product Operation	AFDD-RCBO
Standards	IEC/BS EN 62606, IEC/BS EN 61009-1
Breaking Capacity *Icn*	10kA
Number of poles	2
Number of Poles Switched	1P+N
Rated currents	6, 10, 16, 20, 25, 32, 40A
Rated voltage	230/240VAC
Rated Residual Tripping Current	30mA
RCD Type	A
RCD Operation Principle	Electronic
Residual Current Disconnection Time	≤0.1s
Tripping Characteristic	B,C
Electrical endurance	>4000
Mechanical endurance	>10000
Ambient temperature	-25oC~+40oC
Connection terminal	Flexible 16mm2, Rigid 25mm2
Type of terminal	Lug type and Pin type
Width	17.8mm /module
Torque N.m	2
IP Rating	20
Energy Limiting Class	3



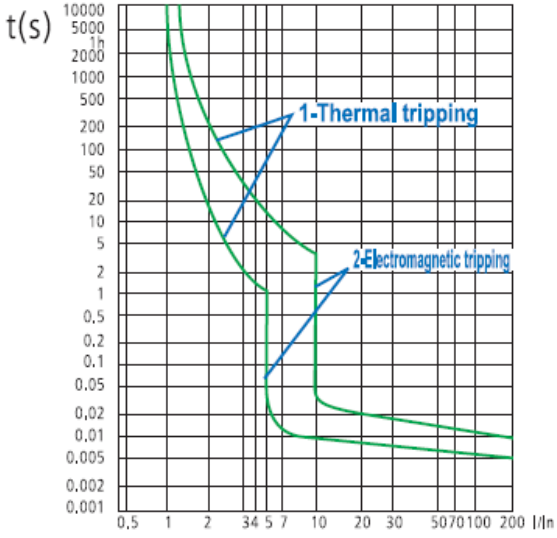
Residual Current Disconnection Times

In (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



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