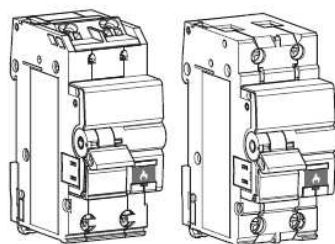




These instructions may only be carried out by a trained electrician. The outgoing wiring may only be connected or disconnected in a voltage-free state!

6LE005082Aa



To improve traceability, please use the checkboxes and note fields provided.

What to do if the AFDD has tripped?

Customer:
Date:
Circuit:
Connected load:

Step ①

Check devices status

Condition 1 : **Tripping on short-circuit or overload**

☐ Standard electrical troubleshooting.

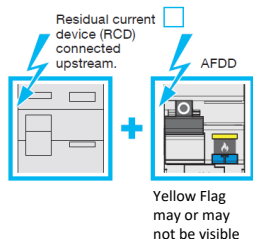


No Yellow Flag

Condition 2 :

Upstream residual current device (RCD) has also tripped
Standard troubleshooting for residual current

☐



Yellow Flag may or may not be visible

Condition 3 :

Arc detection error triggered (yellow flag visible).

☐



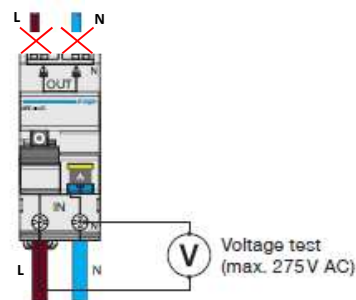
Go to **Step 2**

Step ②

Check that AFDD is working correctly

Disconnect the output circuit cables of AFDD

Check the voltage



☐ $196 \text{ V AC} < U < 275 \text{ V AC}$

☐ $U < 196 \text{ V AC}$

☐ $U > 275 \text{ V AC}$

ON

Wait 1 minute after switching on

Press test button "T" for 1 second

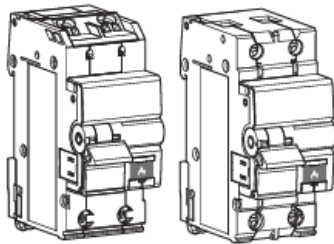
AFDD is working

go to **Step ③**

Power supply problem:
Contact the electricity supplier

It is defective;
Replace it

AFDD condition



What to do if the AFDD has tripped ?

Step ③

Check connected loads

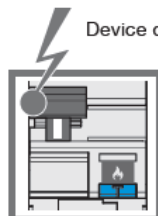


Check if equipment supplied by AFDD are in safe operating condition

Connect and activate equipment one by one, then all together.
Trying to repeat the tripping circumstances.



Device trips.



Device does not trip.

Inspect the connected loads (plug, connection cable, etc.) for damage.

If damage is found:

Repair or replace the defective item

If no overvoltage (see step 2) or damage were detected:

A temporary overvoltage have triggered the AFDD. Install a voltage recorder and monitor the circuit.

If an overvoltage is detected (> 275 V):
Contact your electricity supplier.

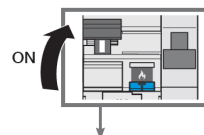
Step ④

Check that there are NO crossed neutral with another circuit

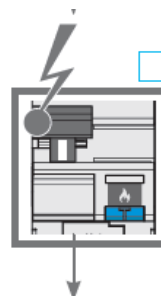
Verify by inspection and / or testing the continuity of conductors

Repair as required and reconnect conductors

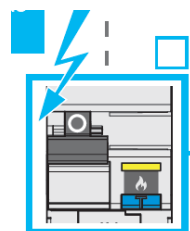
Then switch on AFDD



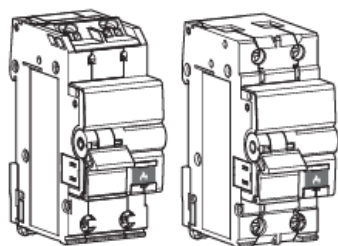
AFDD stays ON
installation OK



AFDD trips



go to Step ④



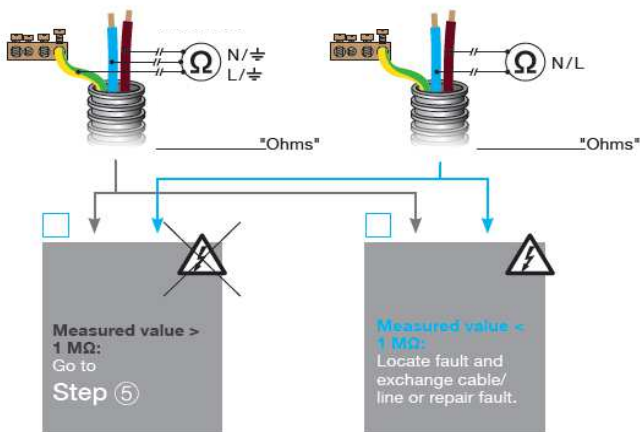
What to do if the AFDD has tripped ?

Step ⑤

Check for parallel arc occurring between: L/N, L/PE or N/PE

Disconnect all loads that could be damaged during this test.

Disconnect loads and measure cable insulation resistance



Step ⑥

Check the cable and connection condition for series Arc fault

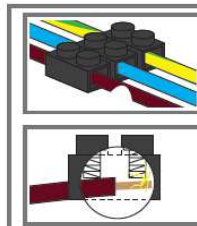
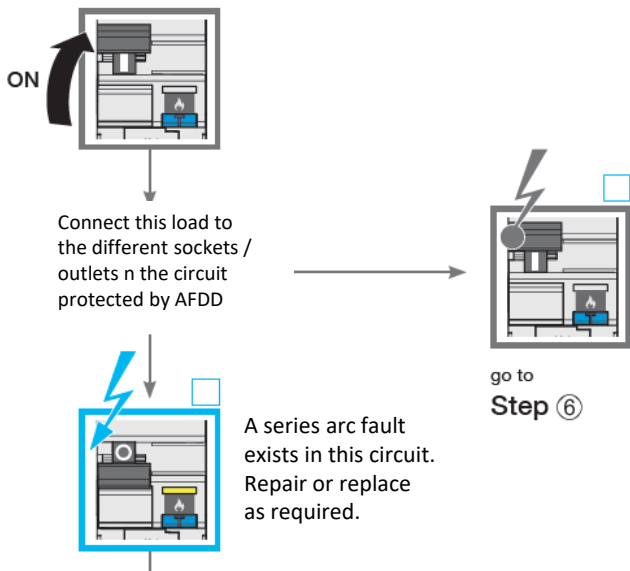
Disconnect all loads powered by this circuit.

Prepare a 1000 W+ resistive load (heater, kettle, etc.) in good working order

Is circuit Ring Final Circuit or Radial?

If ring final circuit split circuit and test as 2 separate radials.

Connect load at different points on circuit and energise to test.



Inspect the cables, connections and sockets to locate any signs of deterioration causing the device to trip.

☐ If you have found damage or a fault exchange the damaged component.
Cause: _____

Circuit condition

Step 7

If still unable to ascertain the cause of the fault please contact Hager;

- Make a note of the serial number of the AFDD (via the test button).



Note the serial Number of the AFDD that appears using the QRcode product.

Serial number or firmware version:

(Scan for the QR code)

Notes: