

# Clear Thinking with Kewtech

## RCD testing

KEWTECH

**Instrument:** Select RCD test and auto-test then adjust for the RCD protecting the circuit.

Disconnect all connected loads.

After initiating the test the RCD will trip four times. It is only necessary to reset the RCD at the consumer unit. On completion of the test all values will be held on the instrument.

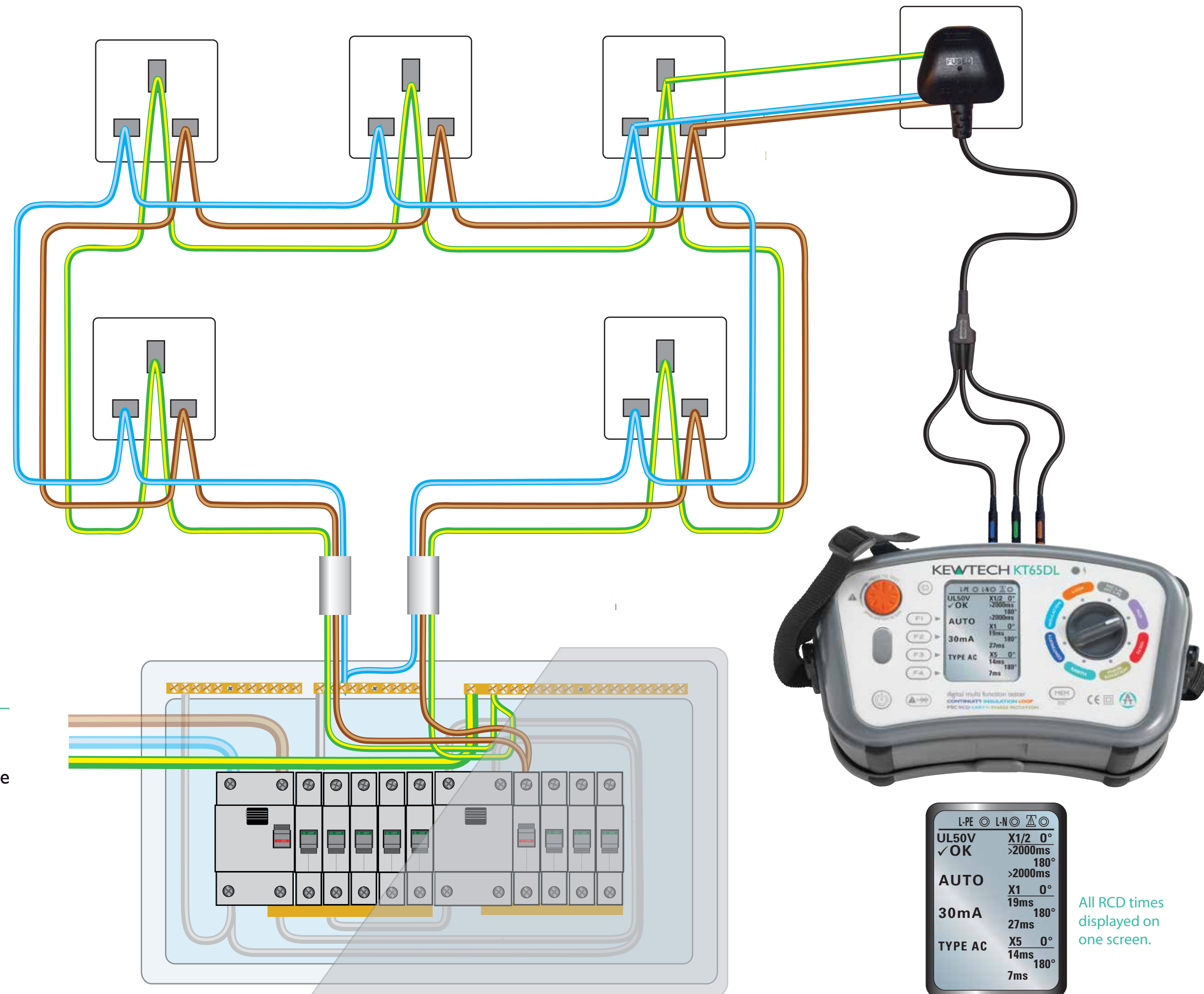
Finally ensure that the test button on the RCD functions correctly.

NB: You can also test at the consumer unit.

RCD tripping times in accordance with the RCD/RCBO standards BSEN61009 & BSEN61008

Type of RCD	$1 \times I\Delta n$	$5 \times I\Delta n$
General (G)	300ms max allowed value	40ms max allowed value
Selective (S)	130 - 500ms max allowed value	

Where additional protection is required RCDs will need to be tested at  $5 \times I\Delta n$  and the maximum trip time allowed is 40ms.



Note: When carrying out live testing cover must be closed



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Kewtech 'Clear Thinking' diagrams are schematics to aid the understanding of electrical testing. Ensure proper safety procedures are taken before any testing.

Johnny Ace says:

Remember to record the highest value!

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