Changing from crocodile clips to probes, with existing leads to test a luminaire

# Existing GS38 fused test leads

The health and safety executive introduced a very significant document in March 1988 - GS38, giving excellent guidance on the construction of fused test leads. Originally designed to reduce accidents in high energy situations, they certainly did this but the design in now dated.



Existing test leads.

If you've been using croc clips at a distribution board, and now want to test a luminare you need to put on the probes to get into the connecting strip for the luminaire.

Making a connection to a small connector to measure, say Prospective Fault Current.



### Potential hazard!!

The fuses are prone to fall out at this stage so be careful not to drop them, bearing in mind you might be working up a ladder!



## Potential hazard!!

You need to make sure you insert the fuses into the probes properly. These need to make contact, so you can then take a measurement. If not fully screwed home, you could incorrectly assume the circuit is dead! Of course it's not! Potential hazard!! Stress factor because of the time it takes!

45

Sometimes earth and neutral need to be joined together so you can measure with just one contact on live and one combined earth/neutral connection, ie black and green together. Unscrew the probes and replace with the crocodile clips. (Remember all the bits about dropping fuses etc).

Potential hazard!! The connector only has a small area to connect to, so you'll need to get two croc clips onto the same point. This can be extremely difficult!

Potential hazard!! Sometimes you can clip both crocs together, however this is unsatisfactory as one is keeping the other apart, so there is every risk of poor contact!

Changing from crocodile clips to probes, with new ITLS 400 leads to test luminaire.

# New ITLS 400 GS38 fused test lead set

New products reflect the new mains colours: Brown - live, Blue - neutral. As an aid to electricians the strain relief has also been colour coded as a memory aid. What was red is now brown, and what was black is now blue.



New test leads.

If you've been using croc clips at a distribution board, and now want to test a luminere you need to put on the probes to get into the con-





... and the probes just click back on, it could not be simpler!

Making a connection to a small connector to measure, say Prospective Fault Current.

necting strip for the luminaire.



Advantage! The fuses remain in the probes at all times, therefore a good contact is always assured.



Advantage! You are ready to go in an instant!



Advantage! Remove probes in an instant, click live croc clip back on.



Advantage!

The connector has a small contact area, so you'll need to get two croc clips onto the same point. With the new leads you can use the 'piggy back' system. Neutral combines with the earth means just one croc clip to connect.



Advantage!

Now you can simply connect, using just two croc clips, one on the live and a single combined neutral/earth onto any other point.