

Changing the default settings:

The SIM-Q MKII can be reconfigured by means of four jumpers. (The original configuration is marked on its label). The jumpers are placed on the PCB behind the rear cover, under the set point potentiometer. See the drawing below for clarification.

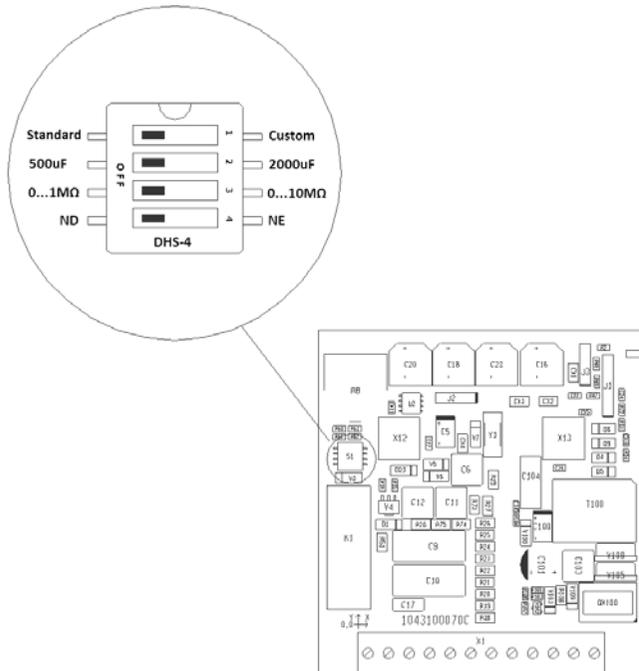
DIP#1 = STANDARD/CUSTOM
DIP#2 = 500 uF/2000 uF
DIP#3 = 0 to 1 MΩ/0 to 10 MΩ
DIP#4 = ND/NE

DIP#1 can be set to OFF (STANDARD) and the SIM-Q MKII will load its settings from a hard-coded memory area. If set to ON (CUSTOM), the SIM-Q MKII will load its settings from a configurable memory area that is used for custom settings and is set up by DEIF upon ordering.

DIP#2 can be set to either OFF (500 uF) or ON (2000 uF). The chosen setting will determine the maximum leakage capacitance. Note that this will also change the measuring time.

DIP#3 can be configured to OFF (measuring range 0 to 1 MΩ) with 22 kΩ on the scale centre, or it can be set to ON (measuring range 0 to 10 MΩ) with 220 kΩ on the scale centre. Notice that a change in measuring range also involves a change of scale.

DIP#4 settings will determine the SIM-Q MKII relay output. If it is set to OFF (ND), the output will be configured as a normally de-energised contact. If it is set to ON (NE), the output will be configured as a normally energised contact.



IMPORTANT - Use electrostatic discharge protection!

Sufficient care must be taken to protect the PCB against static discharges during the configuration. Once the unit is installed and connected, these precautions are no longer necessary.



-power in control



QUICK GUIDE



Insulation monitor, SIM-Q MKII

Refer to www.deif.com for detailed information

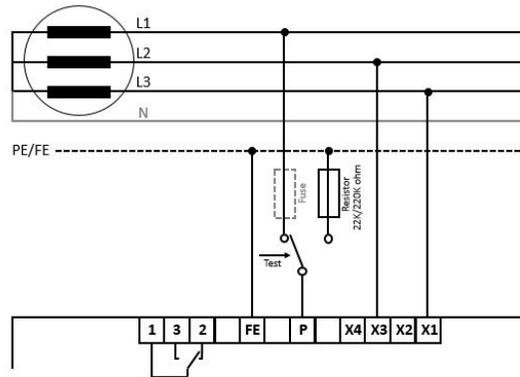


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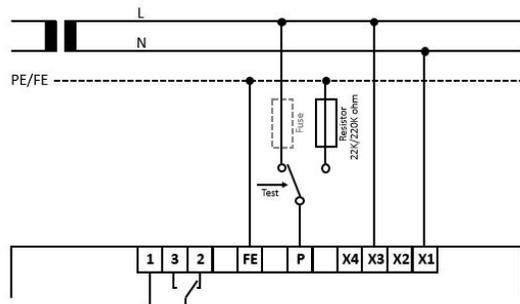
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Connection diagrams

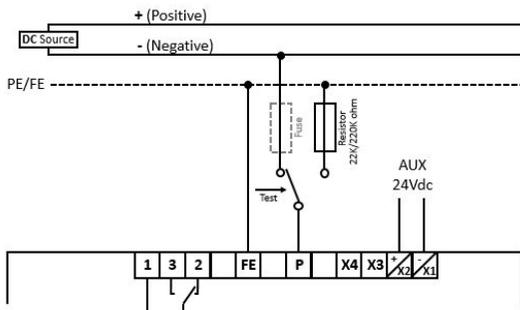
3-phase, AC



1-phase, AC



1-phase, DC



Installation

Recommended fuse size: max 2 A.

Verification: Verify that the instrument configuration is according to your order.

Aux. supply: Connect terminals to correct voltage. See label on the unit.

Measuring circuit: Connect FE to ground and P to a phase. If it is a 3-phased network – connect to any of the phases.

Warning: If a high-voltage “MEGGER” is used, the SIM-Q MKII must be disconnected at terminal “P” before testing is carried out. Ignoring this may result in damage to the SIM-Q MKII.

Adjustment of the set point

When the selector on the front is placed in Test mode, the meter indication shows the set point setting directly. The set point potentiometer on the rear side is used to change value.

Remember to return the selector to normal mode after setting!

Set point test/control During the first 10 seconds after power-up, the meter pointer shows the actual set point setting and activates its relay.