

Replacing circuit breakers on the ARGOS remote power control

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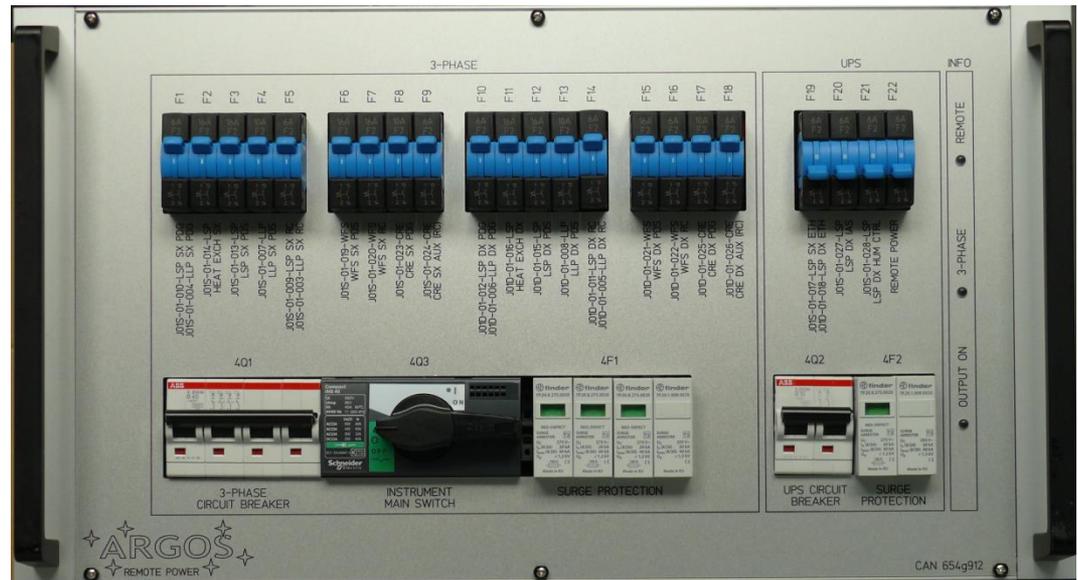
Safety first

Before opening the remote power unit, you have to be sure it's not powered any more.

- Turn the „instrument main switch“ 4Q3 to the off-position, pull the end of the lever out and plug a lock-out lock through now visible hole.
- Move the lever of the „3-phase circuit breaker“ 4Q1 to the lower position
- Move the lever of the „UPS circuit breaker“ 4Q2 to the lower position

For trained electrical engineers its now safe to open the unit.

If you want more safety, read the next page.



Additional safety

If you want more safety, you can switch off the cutler-hammer behind the upper right treehouse (which does not cut UPS), or you unplug the main supply cables on the rear side of the remote power unit (4Q1, 4Q2).

Since it is difficult to unplug the 3-phase power, you might consider to use the cutler-hammer and to unplug the UPS cable.

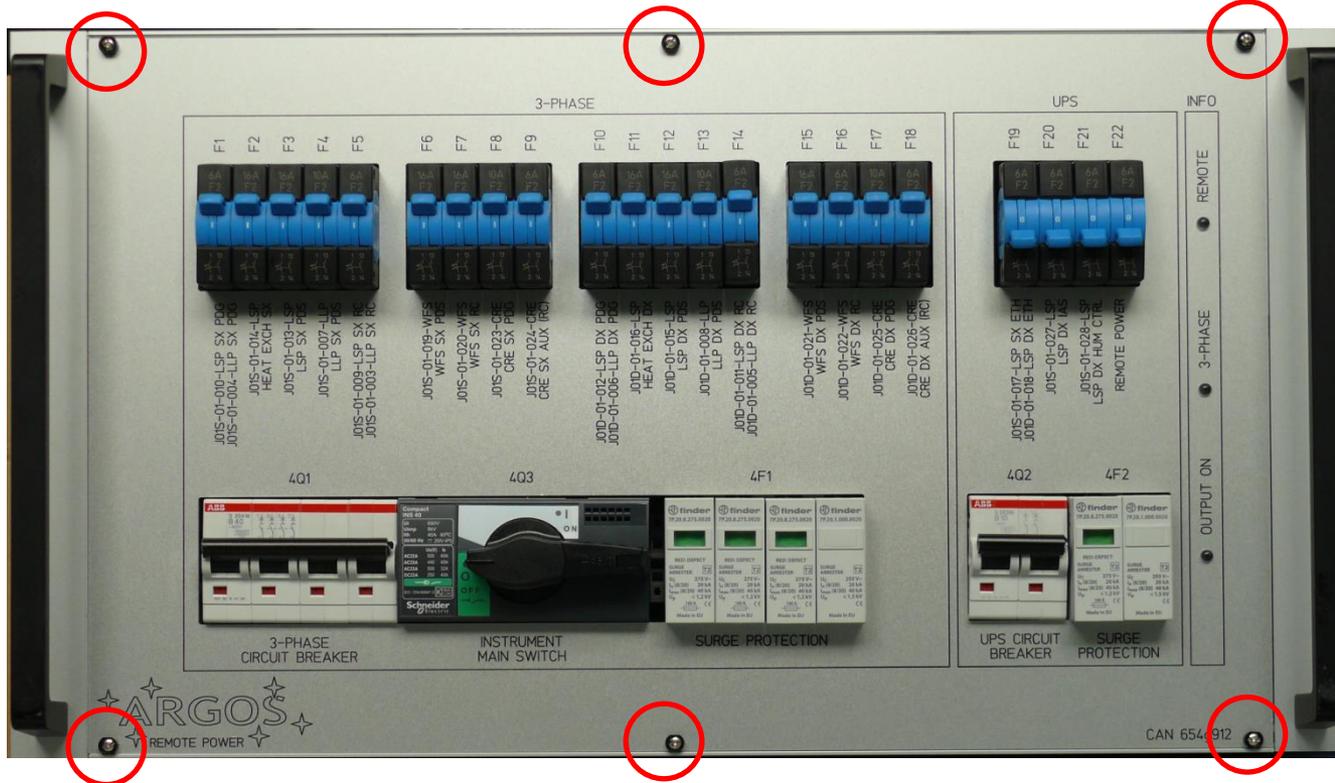
If accessibility is better, you can unplug 3-phase power and UPS on the back of the power analyzer, since this unit is connected in series with the remote power.



Open the unit

It's not necessary to remove the unit from the cabinet, the replacement can be done on site.

Unscrew the front panel by removing the 6 screws

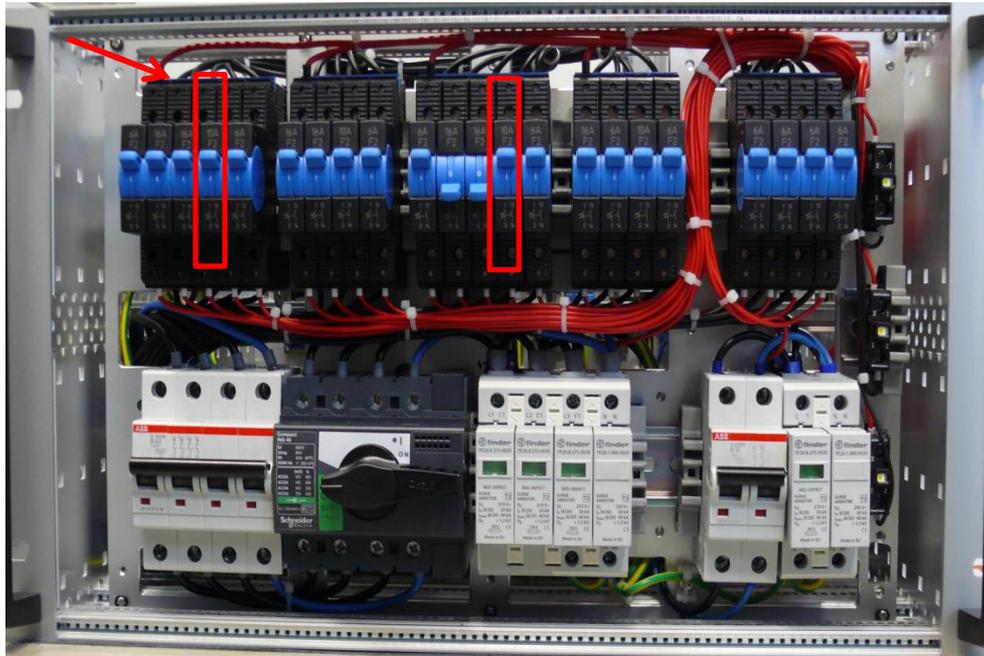


Replacing F4 and F13 (10A)

Remove all cables from these two circuit breakers.

Be aware of the blue bridge on top of the devices. Use a flat screw driver to pull it out. Use also a flat screw driver to pull the breakers out. Plug it into the groove, pull it apart and tilt the device unit it comes out. Maybe you practice this before with a spare part, this mechanism can be very annoying.

For the installation of the replacement, hook the circuit breaker in and reconnect everything.

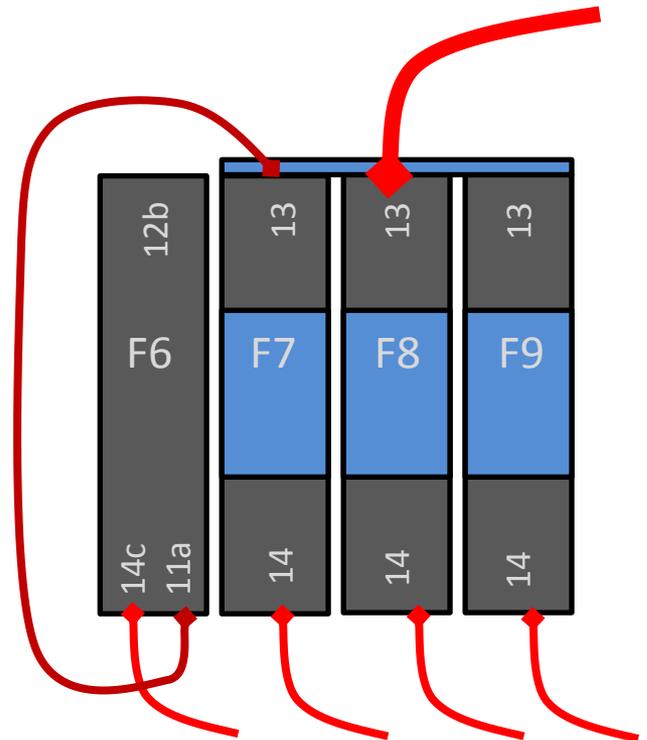
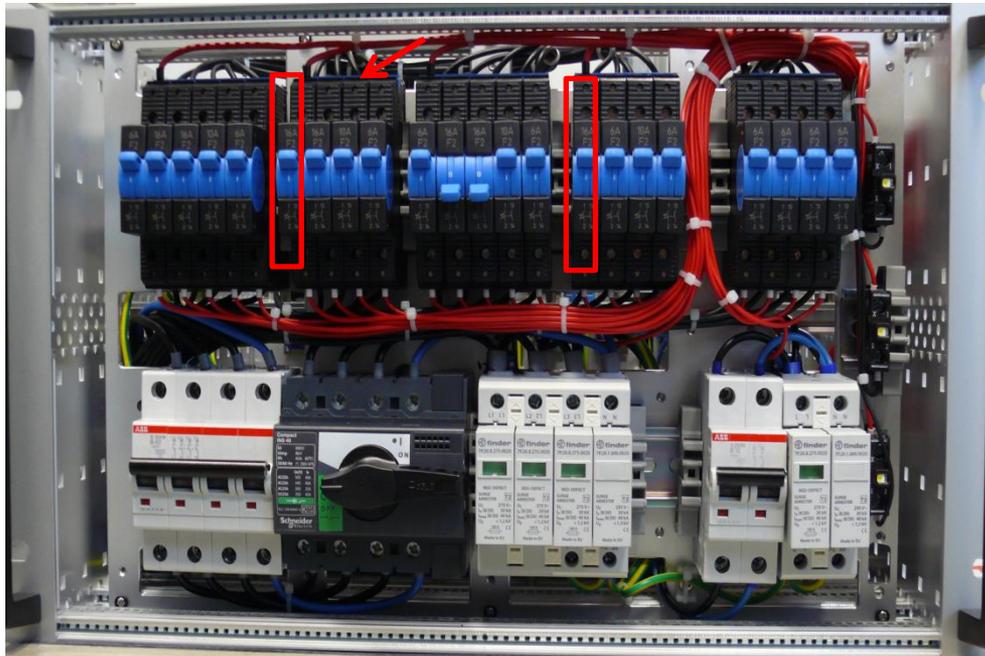


Replacing F6 and F15

Remove the circuit breakers as written above, install the socket and rewire it accordingly. Connect the small signal wire on the lower side to clamp 14c.

The blue bridge will not fit anymore now. Shorten it to by the width of one breaker and use it for the remaining breakers. Connect the single small signal wire on the upper side to one of the old devices and use a short wire to connect clamp 11a of the socket to any clamp 13 of the 4220 breakers, see sketch.

Plug in the new 16A 2216 circuit breaker module.



Reassembly

Return everything into it's place, reconnect everything and turn everything on again.