



FANOX NEWS

Electricity History

From 1801 to 1815

Sir Humphry Davy (1778-1829) develops the electrochemical (concept given by himself), exploring the usage of Volta battery, and trying to understand how it works. In 1801 he looks at the electric arc and the incandescence at a battery energised conductor.

Between 1806 and 1808 he publishes the result of his electrolysis researches consisting of the separation of magnesium, barium, strontium, calcium, sodium, potassium and boron. In 1807 he manufactures a double battery with more than 2000 plates, which helps him to discover the chlorine and demonstrate that it is an element instead of an acid. In 1815 he invents the miner safety lamp.

May 2008



Davy

Power T&D . SIA-C



For most years since its creation, FANOX has been dedicated to design and manufacture electronic control and protection relays.

FANOX has developed a specific range for electrical energy transmission and distribution of application. In the last 5 years, our company has already implemented more than 6.000 equipments in secondary centre in the Spanish electrical distribution net.

Due to our knowledge, our Power T&D division is able to propose you several solutions to protect secondary transformation centre.

The full range is built in metal box housing. Our relays can be mounted in rack our panel. The standard functions are 51N, 50N, 51P and 51N.

Self powered over current relay, SIA-C, is a new innovating solution. It is directly powered from the Current Transformer /5 or /1. With only 20% of nominal current in single phase, SIA-C is providing full protection to your transformation Centre in any situation.

As Self powered solution, Fanox is offering the easiest (standard Current Transformer without hard calculation) and best technical alternative in the market (the 3 phases are available for measurement and power in any moment).

Self powered is most adapted solution to reduce installation and maintenance cost. The cost reduction is due to an easier cabling and elimination of the battery.

Additionally, you can power the relay through the front port with a battery kit (Kitcom). Design to be used for first installation, maintenance and hazardous situation, SIA-C will be able to trip in case of fault, even in this situation

SIA-C is easy to handle. You can access to all parameter through a full equipped HMI, including LCD display and keypad. Obviously, a code access will avoid any not allowed modification.

Our software, Slcom, will make friendlier the access to SIA-C. The customer will be able to upload or download parameter. Even more, SIA-C will record up to 500 events to provide full information about the Transformation Centre protection relay activity.

For further information: power-td@fanox.com o tel. + 34 94 471 14 09

Not everything is working: [Marmitako, 4 people](#)



Ingredients for 4 people: 800 gr tuna without skin nor bones and cut them up into blocks, 1 kg potatoes, 2 peeled small tomatoes without seeds, 3 green peppers cut into slips, 2 dry red peppers, 3 chopped up onions, 5 dl dry white wine, 1 litre of water, salt, pepper, olive oil. Preparation Time: 50 minutes.

- Cooking:
1. Soak into fresh water the dry red peppers. Scald them into boiled water, take out the pulp and put aside.
 2. Fry lightly the onions into a little olive oil till they start to be brown. Then add the green peppers cut into slips. Fry all slightly till they are brown. Add the potatoes cut into medium pieces, white wine and a little warm water up to cover the potatoes. Add salt and pepper. We add water little by little when it evaporates and remove it from time to time.
 3. When the potatoes are nearly cooked, add the tomatoes and the pulp of the dry red peppers. Boil them some minutes.
 4. Add the tuna and boil it 5 more minutes. Please take into account that the tuna is cooked very fast.
 5. Serve it warm and if you want you can sprinkle with some parsley.

Questions or doubts please contact: export@fanox.com - Tel. + 34 94 471 14 09 / Fax. + 34 94 471 05 92 - www.fanox.com

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