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Custom-made electronics

A hand is shown from the palm side, with a bright blue glowing orb in the center. The hand is surrounded by several large, overlapping lens flares in shades of yellow, orange, and red, creating a magical or ethereal atmosphere. The background is a soft, out-of-focus light blue.

The power to control

E.D.&A.

Electronics, Development & Assembly

- Founded in 1981
- Located in Belgium, Kalmthout (Antwerp)
- 80 employees
- E.D.&A. develops and produces custom-made electronic controllers for machines and appliances.
 - Industrial market
 - Consumer market
- E.D.&A. is a leading supplier to high quality European cooker hood manufacturers.



The
power to
control



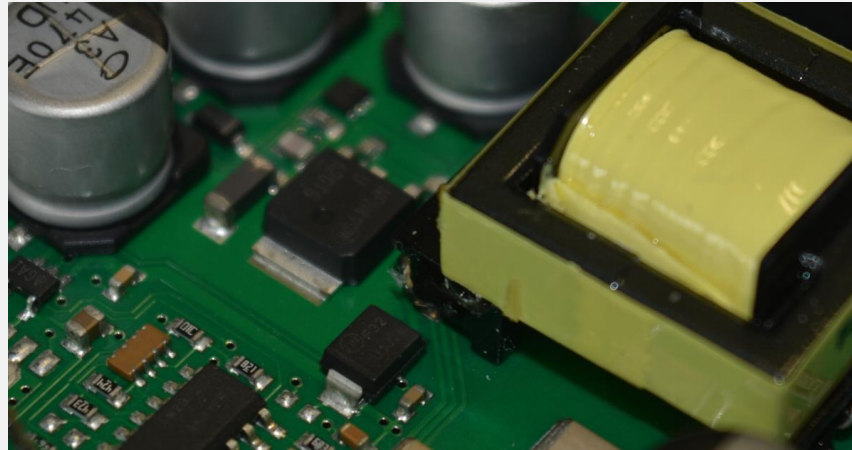
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Smart LED dimming on cooker hoods

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Innovation

SSMPS: Smart Switched Mode Power Supply



E.D.&A. developed a mechanism to get two independently regulated voltages out of one power supply circuitry.

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Advantages of this new patented technology

- A perfect smooth dimmable LED driver becomes reality!
- No need for external LED drivers anymore.
- Total cost reduction on:
 - components
 - assembly and wiring
- All required functionality combined into one controller board. (EC fan control, dimmable LED driver, RF communication, Wifi, Bluetooth, IoT,...)
- EuP: very low stand by consumption for complete solution <0,3W



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Example: cooker hood controller

- Cooker hood control and dimmable LED driver in one
- Perfect dimmable 10W LED driver
 - Constant current
 - Constant voltage
- EC fan PWM control + 230V on/off
- Very low standby power (<0,3W)
- Integrated RF 433MHz receiver
- Ports for operator interfaces (buttons, LEDs, capacitive touch buttons,...)
- Contact inputs
- EN 60335 compliant



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What can E.D.&A. offer?

- Off-the-shelf cooker hood controller as shown in example (OEM software).
- Fully customized OEM cooker hood controller based on this patented technology.
- Fully customized OEM operator interfaces (capacitive, tactile buttons, gesture control...).
- Integration of IoT functionality (Wifi, Bluetooth,...).
- Customized RF protocols based on 433MHz, 868MHz.
- Complete cooker hood control solution EuP <0,3W.
- Fully tested high quality products @low total cost.
- Full traceability due to unique serial number.



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A hand is shown pointing towards the center of the frame, with a bright blue light flare emanating from the tip of the finger. The background is a soft, out-of-focus white and light blue. The logo 'ed&a' is centered in the upper half of the image.

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