

## Belgium electricity safety

What are the new Belgian electrical standards? Learn more with CD-Engineering, your electrician in Brussels. Every year there are new electrical regulations, what's new for this year? Find out about all the latest regulations with your trusted electrician. There is not a single Belgian electrical standard, there are several.

RGIE is the general regulation for electrical installations in Belgium. It is everything that is legal about the standards to be respected for the installation of an electrical system. These standards are valid for private individuals and professionals, whether in a flat, a house, an office or whatever.

The Belgian electrical standard, or RGIE, lists several rules that must be respected to avoid all risks of electrocution or even fire. This standard is very comprehensive and ensures that your electrical network does not present any danger to you or your home. Here are 5 essential points to know about this RGIE.

The electrical circuit of your installation is mainly made up of lighting. However, you should not concentrate your lighting on one circuit, but at least two for safety. Furthermore, the circuit breakers should not exceed 16 amps. Finally, the wires you install for this circuit must measure 1.5mm<sup>2</sup>.

Each dwelling must be equipped with two types of sockets: a specialised circuit or a normal socket circuit. The former is used to power your household appliances: washing machine, cooker, heater, etc. The Belgian electrical standard requires that this circuit be separated from the standard socket. In addition, to ensure your safety, the circuit breaker must be at least 16 amps. Finally, the classic socket allows you to connect everyday objects: chargers, lamps, etc.

Obviously, this room in your home requires even more attention as it is not only wetter but also the chances of electrocution are greater. Therefore, you will have to add a 30A differential switch in the electrical panel.

Earthing protects you in the event of a loss of electrical current. It is therefore essential to connect metal installations to the earth terminal. Examples of such installations are your heating system or hot and cold water.

As you can see, it is very important to secure the electrical circuit to avoid any overloading. To do this, you must install a fuse on the electrical panel. You can also add a circuit breaker for this purpose. This step will prevent a house fire. In addition, if your home is not up to standard when the fire is diagnosed, your insurance will not pay for the renovation work.

There is no standard that is more important than the others in 2020, as it is a moderate innovation. There are no major changes, but they are more about fire prevention measures, electrical controls and the diagrams used.



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If you do not comply with the Belgian electrical standards, you are exposing yourself to a non-compliant installation. You are therefore putting the members of your household at risk. You are also exposing your material assets to the danger of damage

Moreover, we are available 24/7 to meet all your needs as quickly as possible. Therefore, don't hesitate any longer, trust CD Engineering to take care of your electrical installations. You'll benefit from a high quality, transparent service for a safe home that complies with the latest Belgian electrical standards !

Therefore, to guarantee the safety of your installations and limit electrical risks, it is essential to call on a competent and experienced professional. At CD Engineering, every member of our team is a qualified, available and reliable electrician you can rely on to check your installations, advise you, install and repair faulty systems, or renovate to bring any dangerous installation up to standard.

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