

Monitoring electrical installations and cabinets

7 out of 10 fires start in electrical installations. Among the reasons for fires starting in electrical installations are clamp connections that are loosening, wrong installations, overload on circuits, or failing electrical components. All these issues will lead to heat generation that over time can lead to a fire. Electrical cabinet doors are to be kept closed. Open doors may lead to dust or dirt entering the cabinet and creating a fire hazard for the electrical installation.

Challenge

- Electrical installations are inspected regularly by qualified personnel. But these regular intervals may be once per year. Many issues occur in-between these inspections, and are not detected early enough to prevent a fire.
- Fires are off-course very expensive. With insurance, there will be funding to rebuild what was lost in the fire. However, fire in production environments may lead to longer periods of not supplying any product in the market, which again lead to loss of market share and introduction of new competitors at regular customers.

Solution

- A single sensor that measures both the temperature inside the electrical cabinet and detects if the door to the electrical cabinet is open.
- By monitoring temperatures, issues with the electrical installation are detected earlier.
- With early detection of potential issues, an electrician can fix the installation before it becomes a fire hazard.



- By monitoring when the electrical cabinet door is open, the door can be closed before the electrical installation is exposed to too much dust or dirt.

What you get

- Neuron Temp O/C sensor that measures both temperature and if door is open.
- Alarms on e-mail or SMS if temperatures are too high, or if door is open for too long.

Products in use

- Neuron Cabinet Safety