

Newsletter

The conditions inside an electrical panel must be such as to preserve the reliability of the equipment contained within it. The correct thermal analysis and thermal management of a panel is one of the most important actions for guaranteeing performance and reliability over time, as well as for compliance with the relevant regulations.



7T Series - Thermostats & Hygrostats

Panel-mounted [thermostats and thermo-hygrostats](#), installed in combination with other products from the thermoregulation family, such as heaters and fans, will enhance the reliability of components within the panel - extending working life.



7F Series - Filter Fans

[Fans with filter](#) for the forced ventilation of electrical panels. Characterized by low noise and practicability, thanks to external access for the easy replacement of the internal filter.



7H Series - Panel Heaters

Preventing the formation of condensation and ensuring the optimum temperature within electrical enclosures. Compact anti-condensation heaters. Inherently safe thanks to the plastic protective case and automatic self-regulating PTC control. Also fan assisted versions available. Heating power from 25 W to 400 W.



7L Series - LED Panel Lights

[New LED panel lights](#), for mounting using the integral mounting magnet. The light can be switched on either by its push-button or by integral movement detector (dependent on type). Designed to provide light in two brightness levels, 600 or 1200 lumens.

OVERHEATING AND CONDENSATION

Excessively high temperatures inside a panel are a cause of degradation of the internal components with consequential deterioration of the system's performance. Also the presence of humidity is a risk, being a potential cause of short circuits or leakage currents - resulting in safety issues and power cuts to the equipment. Considering that installed equipment and machinery, their replacement and even their repair, easily represents costs vastly greater than the cost of a temperature control system, provision of the latter can justify itself many times, over time.

THE IMPORTANCE OF THE HEAT DISSIPATION

Heat dissipation from electrical cabinets or enclosures is an important factor to consider when designing an electrical panel, and the most suitable type of ventilation for this purpose is often debated among technical experts. What is clear is that you need to determine the required air flow rate, based primarily on the type of electrical enclosure, the ambient conditions in which it is located, and of course the heat generated within the enclosure.

VERSATILE AND FLEXIBLE

The Finder 7L Series LED lights, typically used for lighting within electrical panels, is also suitable for workplaces where good lighting is needed, and where it's important to be able to adjust the position and direction of the light beam. Whether it's a workshop, a cellar or a shed, with their magnetic mounts these lights can be easily placed on shelves or metal cabinets, and moved around depending on your specific work requirements. Powered from your vehicle by using the magnetic mount you can position the light on the metal frame of the vehicle. Lights can be used at home too. Achieve perfect lighting in places such as walk-in cupboards, utility rooms and under the stairs.