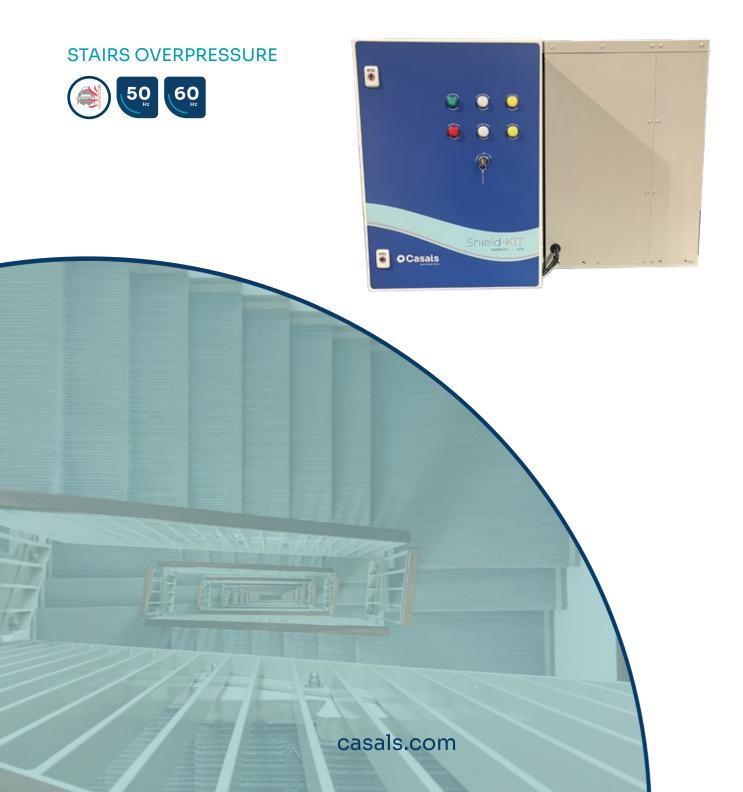


SHIELD-KIT & UPS

Stair overpressure kit with fire brigade panel, regulation damper, fan and UPS





STAIR OVERPRESSURE KIT WITH FIRE BRIGADE PANEL, REGULATION DAM-PER, FAN AND UPS

SHIELD-KIT & UPS



SHIELD-KIT & UPS is an equipment designed to keep a positive air pressure or differential overpressure between 30-50Pa in an enclosed stairwell or vertical escape space, such as an emergency exit, during a fire or other emergency. The objective, according to the UNE-EN12101-6:2022 standard, is to prevent smoke from reaching the stairs and thus be able to have an evacuation route for people who come to the building.

This set allows to control a motorized regulation damper and a fan. If smoke is detected, the damper will be closed and the fan will stop so that smoke does not reach the stairs.

A fire box allows emergency crews to control the system remotely from the building itself.

NEW REGULATIONS

In compliance with the **UNE-EN 12101-13:2022** standard, along with the stair pressurization kit, the installation of a firefighter panel is mandatory, which allows them to control and monitor the stair pressurization system from a central location. This is **COMBATOR**, with 3 operating modes that allow firefighters to choose the most appropriate option to force different scenarios depending on whether they want to generate new escape routes for smoke or people.

UPS INCLUDED

The equipment incorporates an uninterruptible power supply (UPS) so that, in the event of a power outage, the system can continue operating for at least 30 minutes.

If desired, it can be supplied without UPS: SHIELD-KIT.



COMPOSITION

SHIELD-KIT & UPS is a set consisting of:

- KIT-PE Stairshield DAMPER: stair pressurization kit for managing one or two dampers and a fan. It includes a flow sensor to redundantly ensure air circulation in the system and in the correct direction.
- BOX DAMPER: regulation damper in a box with motorized drive and optical smoke sensor.
- COMBATOR: fire brigade control box.
- BOX HB: axial fan in soundproof box.
- UPS: uninterruptible power supply to provide power supply for at least 30 minutes in case of power interruption.

The KIT-PE Stairshield pressurization kit includes:

- Frequency variator programmed to maintain constant pressure.
- High precision DPT differential pressure sensor.
- PLC type control unit.
- Steel frame equipped with a 3mm double bar lock to limit external access. IP66 protection. Complies with IEC 62208, UL, CUL, BV, DNV and GL regulations.
- Magnetothermal protector.
- Operating mode selector: on, auto, manual and off.





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