



ParkGuard

Control panel for ventilation of
underground car parks

PARKING SECURITY



casals.com

CONTROL PANEL FOR VENTILATION OF UNDERGROUND CAR PARKS

ParkGuard



PURPOSE

- **Control** the concentration of contaminants (such as smoke and CO) and **activate the system** accordingly.
- **Control** the operation of the **fans** according to the values and speeds established by regulations.
- **Test** the system to ensure its **correct operation** in case of emergency.
- **Help** maintain the system, so that it is in **optimal conditions** and ready to activate.
- Modify some work values to adapt to new **circumstances** or new regulations.

FUNCTIONS

ParkGuard from Casals allows:

- Control the **operation** of the fans according to the values and speed set by the regulations.
- **Test** the system to ensure its correct operation in case of emergency.
- Help **maintenance** tasks of the system, so that it is in optimal conditions and ready to be activated.
- Modify some work values to adapt to new circumstances or regulations.

The **5 operating modes** allow you to carry out both control and intervention tasks:

- Automatic
- Manual
- Maintenance
- Technical service
- Emergency



GENERAL CHARACTERISTICS

ParkGuard is made up of several generic elements, but this control panel is customized according to the needs of each project:

ParkGuard cabinet Metal casing of customized dimensions, with 400V AC three-phase power supply, ground connection, emergency stop switch and integrated ventilation.

Led touch display Integrated 10" display for touch management of all operating modes of the system, both for prevention and intervention.

COMBATOR Firefighter panel for manual management of the main panel functions. Includes acoustic and visual alarm.

PLC Control fully programmed with the necessary maneuver for comfort and emergency ventilation (in case of fire).

BMS module Allows communication with the building's BMS with Modbus TCP or Ethernet protocol.

Optional frequency drive It allows optimized control and efficient energy management of the fans in the different possible scenarios.

cabinet with integrated display ▶

COMBATOR with alarm ▼

