

## Engine protection

Against overloads and overvoltage by using a motor circuit breaker, lockable from outside the box. Management of limit switches while opening and closing action.

## Easy and quick connecting

Every connection is done through connecting terminals or at the bottom of each element. Settled with input/output terminals (control and power) for an efficient bus connection.

## Secure assembly.

Settled with hinged lid, which enables a secure assembly and maintenance. Fully equipped with all the needful cable glands.

## Bus 3 wires: Motor protection box



## PowerBox

### Bus 3 wires: Motor protection box

The motor protection box is responsible of protecting the system against overload and short circuit, to turn on the motor as well as responsible for the management of limit switches (if applicable).

*The model PowerBox includes an extra safety element: the switch-disconnector, located outside the box. By having an external electrical current cut-off point, it meets the security standards set by the higher demanding levels. It does not allow the access to those parts within the box with electric voltage. It carries out a safe power cut-off, visible and lockable via padlock.*

*Equipped with independent motor protection switch, the Power Box performs a comprehensive and safe protection of the motor, avoiding any damage over the motor due to overload or overvoltage.*

*Besides, the switch-disconnector allows external padlock.*

*The power box deals also with the management of limit switches, located both on the motor or externally, if applicable. E.g.: in case of top vent ventilation motors.*

- Motor protection through motor protection switch: overload, overvoltage...
- Control from intermediate box to 230 VAC 24 VDC.
- Management of limit switches.
- Extra safety in maintenance work.
- External power cut-off: visible and lockable.
- User friendly and extremely sturdy unit.
- Wide range of intensities, in order to cover all kind of engines.
- Committed with most common electrical safety standards.

## PowerBox

### Technical specifications:

#### CODE CONFIGURATION

PB/3H/VOL/NM/PT/FC

VOLTAGE OF CONTROL BUS [VOL]	230 VAC	230
	24 VDC	024
SCHEME TYPE [NM]	Easy: on-off	01
	Double: open-close	02
INTENSITY RANGE IN AMPERES [PT]	0.35 - 0.5	01
	0.45 - 0.63	02
	0.7 - 1	03
	0.9 - 1.25	04
	1.4 - 2	05
	2.2 - 3.2	06
LIMIT SWITCH MANAGEMENT [FC]	With management	00
	Without management	01

#### E.G.

PB/3H/230/02/01/01



Power box for Bus 3 wires, working at 230 volts, Double schemes, range intensity of 0.35-05 Amperes, with limit switch management.

#### GENERAL SPECIFICATIONS

Power supply: 230/400 VAC 50-60 Hz

Control supply: 24 VDC/220 VAC 50-60 Hz

Level of protection: IP 66 (Protection against powerful water jets)

Operation temperature: -25°C-60°C

Operation Humidity: 0-95%

Maximum altitude: 2.000 m