Bus 7 Wires: Switch box

Engine protection

Against overloads and overvoltage by using a lockable motor circuit breaker.
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 connection.

Signaling in the intermediate box

Control and signaling within the power box itself and with the Bus 7 wires, also centralized in the intermediate box.

Secure assembly.

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

Bus 7 Wires: Switch box
The Switch 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 Switch box performs a comprehensive and safe protection of the motor. Equipped with independent motor protection switch, it is designed to avoid any damage over the motor due to overload or overvoltage. Besides, the motor protection switch allows to perform safe maintenance work by activating the independent electrical locking in each motor.

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

The Switch Box Bus 4 Wires, you have access to a wide range of power boxes, which allows you to select the most suitable for your project. You may therefore choose a switch box with local signaling, control or both, signaling and control, as well as report about the status from each switch box to the intermediate box.

- *Protection of the motor through circuit breaker: overloads, overvoltage…*
- *Remote control from interface panel at 230 VAC or 24 VDC*
- *Signaling, control or signaling and control within the switch box itself*
- *Management of limit switches*
- *Full adaptability to every single requirement: double or individual schemes.*
- *Wide range of intensities, in order to cover all kind of engines*

Technical Specifications

CODE CONFIGURATION
CP/7H/VOL/TP/NM/PT/FC

VOLTAGE OF CONTROL BUS [VOL]	230 VAC	230
	24 VDC	024
POWER BOX TYPE [TP]	Local control	ML
	Local signaling	SL
	Control + Signaling	MS
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]	Without management	00
	With management	01

E.G.		
CP/7H/230/ML/02/02/01	→	*Switch Box for Bus 7 wires, control to 230 volts, local control only, double scheme (open/close), amperage between 0.45 A and 0.63 A and with management of limit switches.*

TECHNICAL SPECIFICATIONS
Power supply: 230/400 VAC 50-60 Hz
Control supply: 24 VDC/230 VAC 50-60 Hz
Level of protection: IP 66 (Protection against powerful water jets)
Operation temperature: -25ºC-60ºC
Operation Humidity: 0-95%
Maximum altitude: 2.000 m

C/. Alejandro Goicoechea Oriol 42D, Nave 12 - 33211 Gijón, Asturias, España
Tlf.: +34 984 200 335 • Fax: +34 984 200 336
E-mail: info@hortielectric.com • www.hortielectric.com