

CTR08 CONTROL PANEL

User's Manual



Introduction

Control Panel CTR08 is the most user-friendly and affordable solution to manage air exchanger.

Users can enable the air exchange features by pressing the relevant buttons and observing the luminous indicators that provide information on the operating status of the unit.

Selecting the fans speed

Users can set the fans speed by pressing button **SPEED**. The speed changes every time you press the button. The three green luminous indicators next to label **SPEED** show the selected speed or alternatively indicate if the unit is OFF (in that case no luminous indicator is on).

Enabling the bypass

During the changing of seasons outdoor climatic conditions are often more favorable than indoor microclimatic ones.

With the bypass it is possible to inject air from the outside and expel exhaust air, while preventing the two flows from exchanging heat, or rather avoiding the heating of expelled air and the cooling of injected air, which is instead desirable in ordinary operating condition.

The control system manages automatically the bypass in three different ways; the user can change the bypass mode by pushing the button **BYPASS**, the status of the yellow led indicates the current bypass mode.

- **WINTER** mode, yellow led OFF: the bypass is open if the external temperature is higher than the interior one.
- **SUMMER** mode, yellow led ON: the bypass is open if the external temperature is lower than the interior one.

- **UNDEFINED SEASON** mode: yellow led is flashing: the bypass is open if the external temperature is a range of $\pm 2^{\circ}\text{C}$ of the interior temperature.

Icing-prevention

When the temperature of the expelled air falls below a fixed value the fan which supplies clean air stops, while the fan that extracts exhaust air continues to run normally heating the heat exchanger.

Alarms

Anomalies are signaled by two red luminous indicators. The first one, next to the label **FANS** flashes when a fault in the fans occurs. This alarm is enabled in factory and the selection of an alarm based or on a manostat or on a taco-signal is possible.

The second one that is placed next to the label **FILTERS** flashes when filters are dirty. This alarm is enabled in factory and the selection of an alarm based or on a manostat or on a running-time is possible.

Installation

Installation must always be performed by qualified staff.

Location

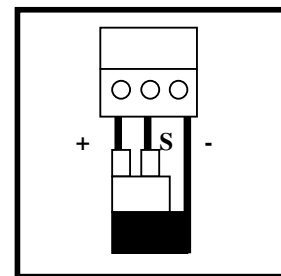
For optimum performances, it is advisable to mount the panel onto an internal wall, at about 1-1.5 m from the ground, and away from heat sources (like radiators, hobs, etc.). The panel should not be exposed to the direct sunlight, otherwise the luminous indicators will not be visible.

Wiring

Connect the power supply to terminals + and -, verifying that the polarity is correct.

Connect the **BUS** to the terminal labeled **s**.

It is advisable to use a shielded cable with a minimum section of 0.3 mm².



Characteristics

Power supply: 9 / 30 VDC 20 mA

Maximum operating temperature: 0 / 50°C

Maximum storage temperature: -20 / 70°C