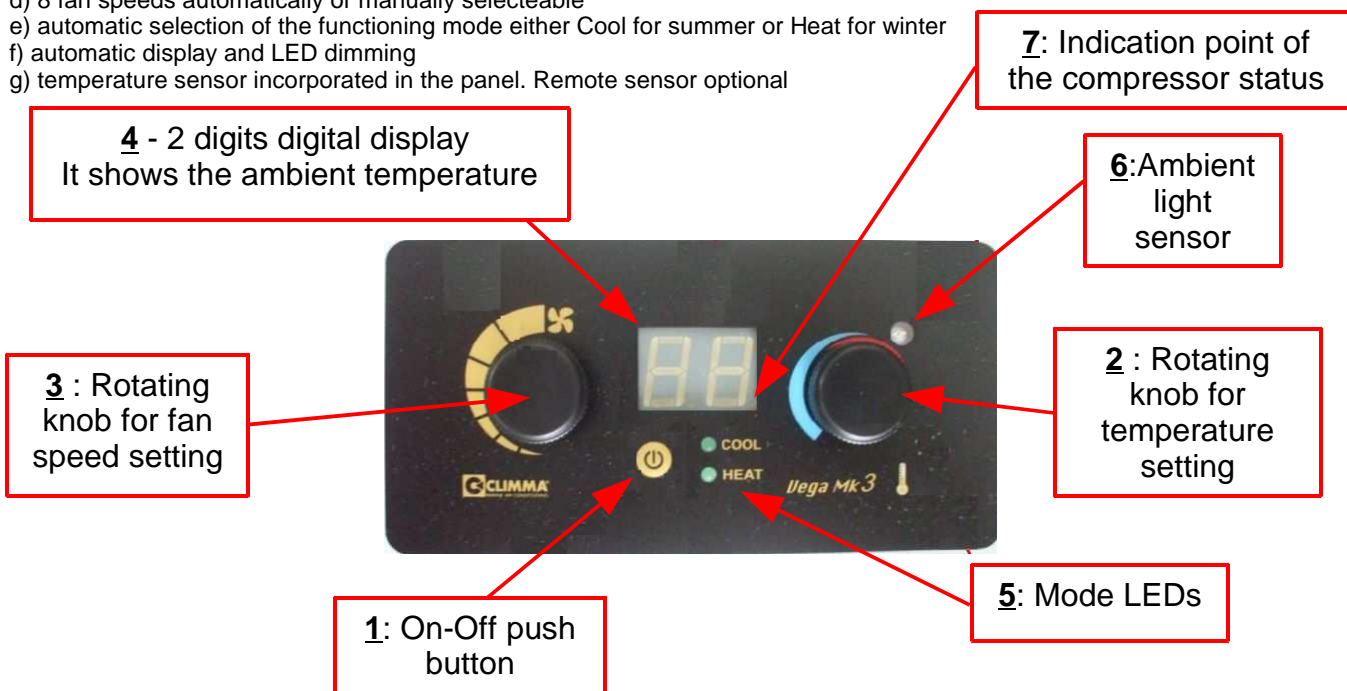


USER MANUAL FOR MK3 PANEL - COMPACT & SPLIT UNITS

MK3 is a control system with innovative features for Climma independent units:

- a) large digital display
- b) simple settings by means of two rotating knobs
- c) On-Off with a single push button
- d) 8 fan speeds automatically or manually selecteable
- e) automatic selection of the functioning mode either Cool for summer or Heat for winter
- f) automatic display and LED dimming
- g) temperature sensor incorporated in the panel. Remote sensor optional



AIR- CONDITIONER ON-OFF

A simple push of the button (1) starts (or stops) the air-conditioner. The start is confirmed by either the Cool or Heat LED (5). A point in the bottom right corner of the display shows that the compressor is running. The system is equipped with programmed timers to avoid compressor repetitive close starts and stop-and-start situations. In this case the system will wait the prescribed time and then the compressor will start automatically. The timer intervention is shown by the blinking point (7) in the display. When it blinks the compressor doesn't run, when it is fixed the compressor runs.

TEMPERATURE SETTING

The right side rotating knob (2) permits the temperature setting. Touching the knob will immediately show the actual temperature setting on the display (4). Rotating the knob will change the value. As you release the knob the display will blink and memorize the new value and then show again the ambient temperature.

The temperature range goes from 15°C (59°F) and 30 °C (86°F).

The suggested comfort value is 22°C -24°C (71°-75°F) for the summer and 20°C– 22°C (68°-71°F) for winter. Too low or too high values are not suggested and may have limitations in the air-conditioner functioning.

FAN SPEED SETTING

The left rotating knob (3) is used to set the fan speed. Touching the knob will immediately show the actual speed setting on the display (4). Rotating the knob will change the value. As you release the knob the display will blink and memorize the new value and then show again the ambient temperature.

The MK3 control offers the A – automatic option and the manual setting between the 8 available speeds. The A-automatic setting reduces automatically the speed as the ambient temperature gets close to the set temperature. As the ambient temperature reaches the set value the compressor goes off while the fan keeps blowing at the minimum speed (automatic set).

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FUNCTIONING MODES

The MK3 control chooses automatically the functioning (Cool-Heat) mode. This setting A-automatic is the default setting.

The MK3 control has memorized 2 more functioning modes:

D = Dehumidifying

AF = Automatic special

The "D- Dehumidifying" mode permits to keep the air-conditioner running making cooling cycles of 30 minutes every 6 hours. This mode permits to keep the humidity under control.

The "A-automatic special" is suggested when the air-conditioner works in special conditions and avoids the icing of the evaporator. With this selection the air-conditioner in cool mode makes quick defrosting cycles every 30 minutes, while in heat mode rises the fan speed.



A- automatic
standard



d -
dehumidifying



AF- automatic
special

Functioning modes are reachable using the On-Off button, keeping it pressed for 5 seconds, preferably with the unit off.

Pushing the button (1) for 5 seconds gives access to the mode menu: the display (4) shows the actual functioning mode. Pushing again the button will browse the functioning modes in sequence. The new value is memorized if the button is not touched for 3 seconds, the display blinks rapidly and then returns to show the ambient temperature, (the display shows D if this option is selected)

ALARM INDICATIONS

COOL MODE: The MK3 control has a specific behaviour in case of intervention of the safety pressure switch, When running in summer cooling (**Cool mode**): it stops the compressor and the sea water pump while the fan keeps running. As the safety intervention might be a temporary problem, for the first two interventions the compressor and pump stop for a given time (between 1.5 up to 6 minutes) and then automatically restart. The indicating point on the display (7) is blinking during the stop time.

If the safety cuts for the third time, the display shows HP (high pressure) and the system remains blocked (everything stops) and needs a manual reset. Manual reset means that the power supply must be cut and reconnected again. The push button in this case doesn't reset the system.

HEAT MODE: When running in winter heating (**Heat mode**): it stops the compressor and the sea water pump while the fan keeps running. As the safety intervention might be a temporary problem, for the first two interventions the compressor and pump stop for a given time (between 1.5 up to 6 minutes) and then automatically restart. The indicating point on the display (7) is blinking during the stop time.

If the safety cuts for the third time, the display shows HP (high pressure) and the system remains blocked (everything stops) and needs a manual reset. Manual reset means that the power supply must be cut and reconnected again. The push button in this case doesn't reset the system.



System locked by
safety cut out (HP)

The intervention of the safety pressure switch is caused by an excessive rise of the refrigerant pressure inside the system.

If the system is functioning in cool mode the problem is caused by the lack of sea water cooling. It is necessary to check the correct functioning of the sea water pump before resetting the system.

If instead the system is working in heat mode the problem is normally caused by lack of air flow. In this case we suggest to rise the fan speed in order to increase the air flow.

For the procedure of troubleshooting please refer to the air-conditioner user manual.

AUTOMATIC DISPLAY AND LED DIMMING

The MK3 control is equipped with an ambient light sensor which dims automatically the display and the LED when the ambient light is reduced.