

Thank you for purchasing and placing your trust in our new range of products.

**Minicool Compact 3.0 N&D** is a standalone A/C System suitable for use with the engine Off and engine On ( Night and Day use)

**Minicool Compact 3.0 N&D** guarantees the climatic comfort in the vehicle's cab during the resting periods of the driver, loading and unloading operations as well as while driving.

**Minicool Compact 3.0 N&D** is designed with the latest technology to obtain maximum performance, a reduction in fuel costs and CO<sub>2</sub> emissions to the atmosphere.

These features are what make it unique in the automobile air-conditioning market.

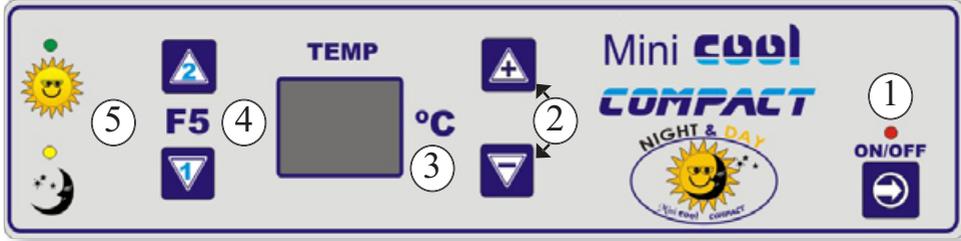
The only maintenance required is occasional cleaning of the condenser at least once per year (1).

If you have any doubts, consult your **dealer** or **dirna, sa** directly.

Do not forget to request your fulfilled **warranty card** from the dealer.

You can also send your suggestions visiting our web **www.bycool.com**

(1) To carry out this operation, you must remove the upper plastic cap of the unit (7 screws), blow with compressed air. This operation should be performed by the dirna, sa Authorized Service **dirna, s.a.**



- 1.- **On/off:** Switching the unit On - Off and mode selection F4/ F0/ F5/ F1/ F2
- 2.- **Temperature selector (15/ 27 °C) and Air speed:** Ambient temperature control and blower speed (between 1st and 5th speed) manual mode only.
- 3.- **Display:** Screen showing the function selected and the status of the equipment.
- 4.- **Time on F5 mode Selector:** 30'  or 60'  automatic function.
- 5.- **Led : Moon On** - indicates intermediate power *F0, F4*  
**Sun On** - indicates maximum power *P0, P4* and *F5*

• On connection, the equipment checks the leds and **EL-2** appears on the screen and turns off.

### Special display messages (please see failure Diagnosis):

**EC** : “Technical Control” Battery low (will bleep for 30 secs. and the unit will turn off)

**EO** : Poor contact of the sensor recirculation wires or the sensor is damaged.

**ES** : Poor contact of the anti-ice sensor or the sensor is damaged.

**EP** : F5 can not be selected after the pre-selected time of 30 minutes or 1 hour has elapsed.

(This F5 function can only be re-activated if, keeping the unit working in mode P0 or P4, the engine of the vehicle is running uninterruptedly during among 20 minutes -depending of the charge or degradation level of the batteries-)

## Turning the Equipment On

To turn the **Minicool Compact 3.0 N&D** unit on, press the On/ Off key . The unit will always start up on the *F4* Function (Automatic Function).

To change the function, hold down the On/ Off key . The different functions will be displayed, release the key on obtaining the desired function.

## Function **F0** Manual Operation of the equipment, at intermediate power. **P0** Manual Operation , Maximum power.

**F0**; the user can choose the comfort temperature and change the speed of the unit blower manually. **If the engine is running or the engine starts running, the unit will automatically change onto the **P0** mode within a short period of time.**

*NOTE:*

*This **P0**, function cannot be selected manually . It is activated automatically by the unit.*

*When the motor is stopped, this function can also be activated automatically by the unit, if the unit detects that the batteries are fully charged. The unit will remain in this mode for a while and then it will change onto the selected **F0** mode.*

The comfort temperature is controlled by briefly pressing the   keys (15/ 27 °C)  
Blower speeds are controlled by holding down the   keys, the following symbols will appear on the display: **U1**, **U2**, **U3**, **U4**, **U5**.

## Function **F1** - Digital thermometer function .

In this function, the Minicool **Minicool Compact 3.0 N&D** will indicate on the screen the temperature inside the cabin.

## Function **F2** - Time Programming Function.

**F2** programmes the unit to disconnect automatically during a period of time between 1 and 9 hours. To programme it, keep the On/ Off key  pressed until **F2** appears on the screen, select the operating time with the   keys and confirm by pressing On/ Off .

## Function **F4** Automatic Operation of the Unit, at intermediat power **P4** Automatic Operation of the unit at maximum power

When selecting **F4** , the symbol  will appear on the display alternating between the selected temperatures.

The user can choose the comfort temperature manually. With this function, the unit regulates automatically its performance parameters until the chosen comfort temperature is achieved. **If the engine is running or the engine starts running, the unit will automatically change onto the **P4** mode within a short period of time.**

*NOTE:*

*This **P4**, function cannot be selected manually. It is activated automatically by the unit.*

*When the motor is stopped, this function can also be activated automatically by the unit, if the unit detects that the batteries are fully charged. The unit will remain in this mode for a while and then it will change onto the selected **F4** mode.*

The comfort temperature is controlled by briefly pressing the   keys (15/ 27 °C)

## **F5 Automatic Operation of the unit, maximum power with the engine stopped. Maximum time, 60 minutes (accumulative)**

When selecting **F5** the selected comfort temperature appears on the Display. The user can choose the comfort temperature manually. With this function, the unit regulates automatically its performance parameters until the chosen comfort temperature is achieved. Default duration of 30 minutes is established when activating this **F5** mode. The user will have 60 minutes if, once the **F5** function is enabled, the  key is pressed.

## Remote control

### Remote Control Functions:

#### ① Unit On / Off

Note: when this Key is pushed, the unit starts in automatic mode **F4 / P4**

#### ② Blower speed control (manual mode only)

Note: while the unit is working in automatic mode **F4 / P4**, if the user press this key, the unit will change the working mode to manual **F0 / P0**. This allows the user to choose the desired air flow by pushing this key and the following symbols will appear on the display: **U1, U2, U3, U4, U5, U4, U3, U2, U1**.

#### ③ Temperature control

The comfort temperature is controlled by briefly pressing the + / - keys (15/ 27 °C)



### To release the remote control:

To release the remote control; with the unit stopped, keep pushed the key  from the control panel. The symbol  will appear blinking in the display. When this symbol stops blinking, push the On/ Off key before 30 seconds and the unit will emit an acoustic signal. In case this does not happen, this operation will need to be repeated from the beginning.

# Electric wiring

