

◆ The Universal Plus Line products are used for converting the manual A/C systems and the manual heating systems (of all vehicles) into automatic temperature controllers.

Such as cars, trucks, tractors, off-roads, campers, buses, mini-buses, ambulances, vans, special vehicles, etc.

◆ **Automatically modulates** the fan speed and **automatically modulates** the quantity of water into the heater (by means of the motor water valve supplied) in accordance with:





- ◆ Temperature selected
- ◆ Internal temperature
- ◆ External temperature

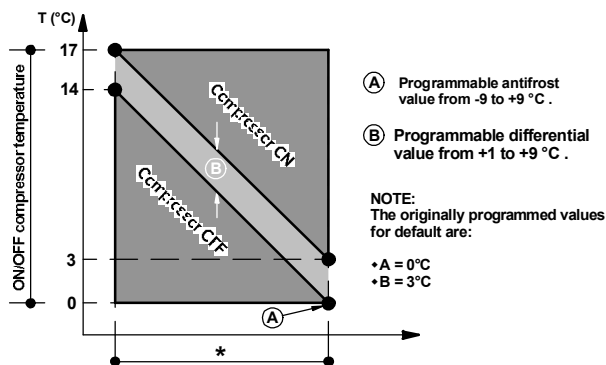
◆ The range of the visualized value on the L.C.D. display is: **LO, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, HI** in °C and **LO, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, HI** in °F.

◆ All **push-buttons** of the control unit are **illuminated from the back** to give the user the possibility to find them also during the night.

◆ All versions can be programmed by the customer himself to obtain the temperature values in **Degrees** or in **Fahrenheit**.



- ◆ These products can be supplied with push-button  and **OFF** .
- ◆ In the version without the **OFF** push-button, the OFF function is obtained by pressing repeatedly to decrease the ventilation to zero and pushing the same button again.
- ◆ **All versions can be supplied with the electronic fan speed regulator to obtain progressive ventilation speed.**
- ◆ According to specific demands, it is possible to program the microprocessor of the control unit and **to change the symbols of the push-buttons** for the desired functions.
- ◆ The versions with the  **EXT** push-button can be supplied with the internal temperature reading on the display and will be shown by pressing for more of 2 seconds the push-button .
The internal a/o the external temperature values are shown for about 6 sec.  **EXT**
The symbol  indicates the danger of ice forming on the road.
- ◆ All versions are available in **12V** and in **24V**.
- ◆ **On request** this Universal Plus Line **can be supplied with an antifrost sensor** (electronic thermostat) and allows from the control unit, to program the antifrost value (A) , as well as the differential value (B) , by the customer himself to optimize the A/C unit efficiency.



Note:

Contact the technical department of CoMeS for specific applications.

All the CoMeS control units are developed in such a way to obtain the maximum flexibility by modifying the microprocessor software to satisfy all various requirements.