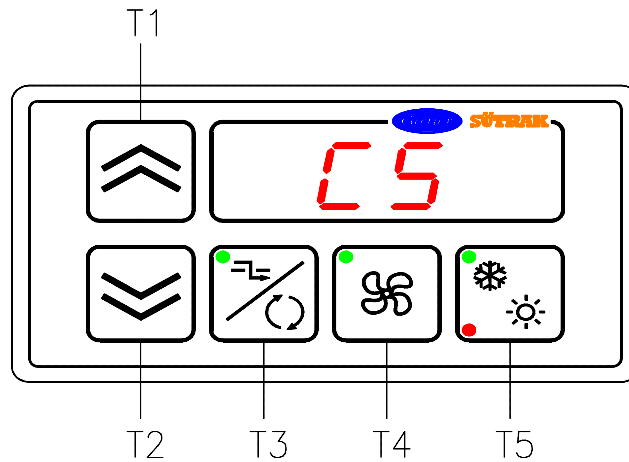


1 Driver's Display Key Description



1.1 Function of Keys when “Ignition On” and “Engine Off”

Key T1:	Plus Key	w/o function
Key T2:	Minus Key	w/o function
Key T3:	Recirculation Air/Fresh Air	w/o function
Key T4:	Blower Control	w/o function
Key T5:	Automatic Climate Control	w/o function
Key T1+T2:	Test Mode	starts code inquiry for test mode

1.2 Function of Keys when „Engine On“ and Controller Active



increases room setpoint by 1 degree per stroke or increases manual blower speed, depending on displayed mode



decreases room setpoint by 1 degree per stroke or decreases manual blower speed, depending on displayed mode



switches from recirculation air to fresh air and vice versa



switches on the manual blower control.



Or



Press to select the following speeds: 1¹⁾-2-3-4-5

1¹⁾ to 5: adjusts the blowers to speeds 20%, 40%, 60%, 80%, 100%

Off²⁾: Switches off the blowers or switches to automatic.

Automatic: The blowers are controlled automatically based on the interior temperature.

¹⁾ The following blower steps are disabled when the automatic climate control is on:

2 step blower:	Off
continuously adjustable blower:	Off, 1



Switches on the automatic temperature control



+



shows the inside temperature for 10 seconds, if pressed a second time shows the outside temperature for 10 seconds (optional)



+



starts Reheat mode for 3 minutes (duration adjustable)

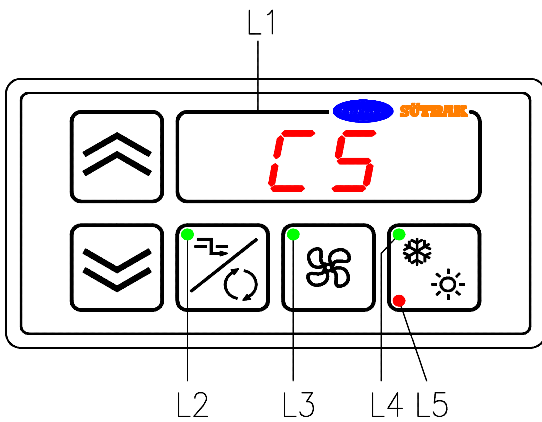


+



switches off all control functions and the display.

2 Luminous Indication



Display	Typ	Description
CS	0324.2.A00	24V with stepless blowers (Standard)
CS =	0324.2.A00	24V two step blowers
CS .	0324.2.B00	12V with stepless blowers
CS = .	0324.2.B00	12V two step blowers (Standard)

2.1 Function of Indication when “Ignition On” and “Engine Off”

LED Field L1: after turning the ignition on, it shows briefly the controller version (see chart)

dark

Programming functions during test mode

LED L2: w/o function

LED L3: w/o function

LED L4: w/o function

LED L5: w/o function

2.2 Function of Indication when „Engine On“ and Controller Active

LED Field L1: Standard indication is the setpoint temperature

LED L2: Fresh air open (green)

LED L3: Manual blower control “ON” (green)

LED L4: Cooling / Heating mode (green)

LED L5: Malfunction cooling unit (red)

3 Operating Instructions (Short version)

The following operating instructions shall give you an overview of the various functions of the Air Conditioning Control BT-324.

When the engine is running, press any key to activate the Air Conditioning Control Unit.

All previously set functions are reactivated.

3.1 Display



When the unit is ON, the display shows the interior setpoint temperature or the room temperature (to be selected with program -10-).

When selecting individual functions, the display shows the corresponding information for a short period of time. The display is dark when engine or control unit are OFF.

During some operating modes as calibration, test and programming mode, the display shows the corresponding information.

3.2 Interior Temperature Control

When the unit is ON, select Automatic Climate Control  to start interior temperature control.

Press the Plus  or Minus  keys to set the required interior temperature.



The temperature can be adjusted between 18° und 28°C. (Can be modified with program -11-)


When outside temperatures are below 2°C (adjustable parameter), the cooling function remains disabled. (Optional ambient sensor is needed)

3.3 Ventilation

When the unit is operating in Automatic Climate Control mode, the roof blower speed is controlled based on the room temperature.



However, the blowers may be switched to manual mode of operation by pressing the blower key.

Press the Plus  or Minus  keys to define one of 5 different blower steps. (Units with stepless blower control)

The blowers can not be switched OFF when Automatic Climate Control  is ON.



When Automatic Climate Control is OFF, the blowers stop when as the manual blower control is turned to zero.

3.4 Reheat (optional)

The Reheat mode is used to remove the air humidity and to help defogging the windshields. Press  and  at the same time to activate Reheat. Heating and cooling will be energized for 3 minutes (duration adjustable with test program –20-). In addition, the blowers are switched to maximum speed and the fresh air flap is closed. At the end of the pre-set duration time, the functions return to the previously selected settings.

Reheat is disabled with outside temperatures below 2°C (adjustable parameter) or when the ambient sensor is not installed or has a failure.

3.5 Temperature Indication

Press  and  at the same time to display the interior temperature, e.g. "i 22" for 10 seconds.

Optional, the outside temperature, e.g. "o 19", may be displayed when pressing the keys a second time.

A sensor malfunction is displayed by "i - -" or "o - -".