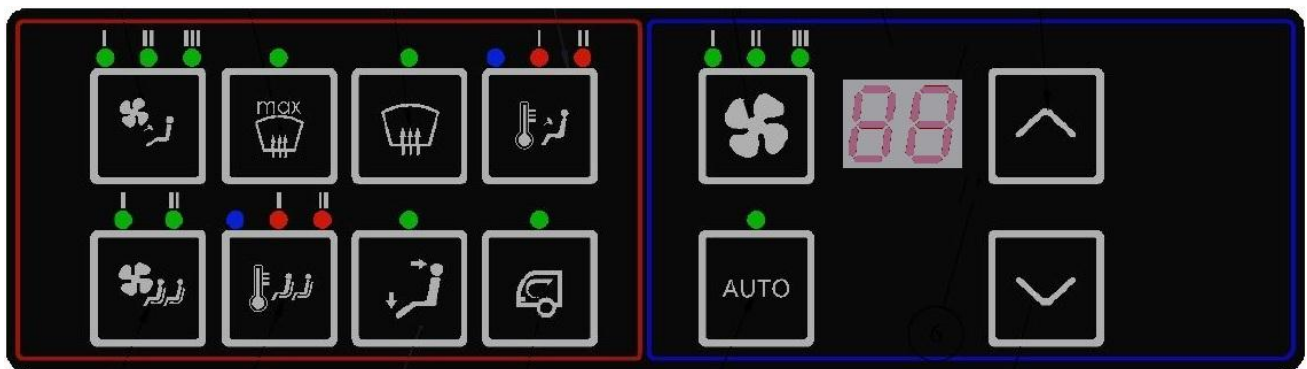
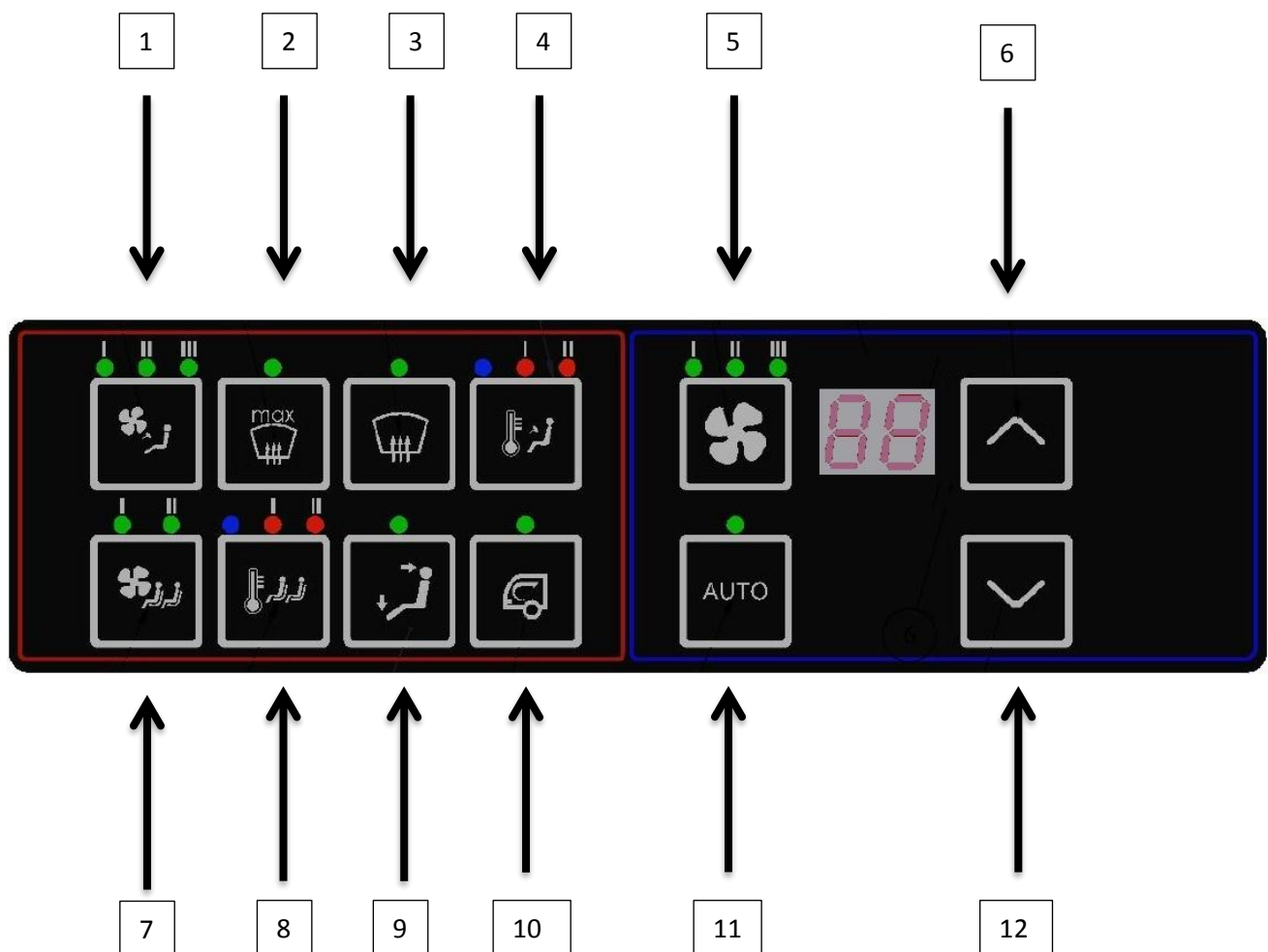




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24V WITH AIR CONDITIONING CONTROL PANEL

BUTTON EXPLANATION



- 1: DRIVER FAN SPEED CONTROL BUTTON
- 2: DEFROST CONTROL BUTTON
- 3: DEFROST FLAP CONTROL BUTTON
- 4: DRIVER HEATING VALVE CONTROL BUTTON
- 5: AIR CONDITIONING FAN CONTROL BUTTON
- 6: HEATING AND COOLING DEGREE SETTING UP BUTTON
- 7: PASSENGER FAN SPEED CONTROL BUTTON
- 8: PASSENGER HEATING VALVE CONTROL BUTTON
- 9: DRIVER FLAP CONTROL BUTTON
- 10: FRESH AIR FLAP CONTROL BUTTON
- 11: HEATING OR COOLING AUTO MODE CONTROL BUTTON
- 12: HEATING AND COOLING DEGREE SETTING DOWN BUTTON

SCANNING MODE

1. When the control panel turns on, Scanning Mode starts. At this time, numbers are showed on display as counting backwards from 8. Control panel checks the flap motors. This case takes about 10 seconds. Control panel checks respectively defrost and driver flap, fresh air flap, driver heating valve flap and passenger heating valve flap.
2. All leds are activated and buttons are inactive.
3. When Scanning mode finishes, if all flaps are ok, Control panel is ready for obeying the command by user. Control panel remembers their latest flaps position.
4. Driver set temperature is read from memory and showed on display. Passenger set temperature can set by service.

ERROR MODE

1. While Scanning Mode is work, all flaps are check. If any flap does not connect, its led makes flash continuously. This shows that the flap does not connect. If user pushes its button during 3 second, the led turns off and skips the error.
2. After Scanning mode finishes, the flap has error and its button are inactive and its led turns off.

MANUEL MODE

DRIVER FAN SPEED CONTROL BUTTON

1. Driver fan speed control button has three steps.
2. When driver fan speed control button is pushed, diver fan step increases one every time. And its leds turn on/off according to pushing the button.
3. If driver fan does not work, air conditioning signal is turned off.
4. If driver fan works any steps in auto mode, air conditioning signal turns on.

PASSENGER FAN SPEED CONTROL BUTTON

1. Passenger fan speed control button has two steps.
2. When passenger fan speed control button is pushed, fan step increases one every time. And its leds turn on/off according to pushing the button.

DRIVER HEATING VALVE CONTROL BUTTON

1. The button controls heating water that flows to driver defrost.
2. If driver heating valve is closed, first led of the button that is blue turns on. And Pomp Signal turns off.
3. If second red led only is activated, driver heating valve opens %80. And Pomp Signal turns on.
4. If both of second red led and third red led are activated, driver heating valve opens %100. And Pomp Signal turns on.

PASSENGER HEATING VALVE CONTROL BUTTON

1. The button controls heating water that flows to Passenger fan, convector and air conditioning fan.
2. If passenger heating valve is closed, first led of the button that is blue turns on. And Pomp Signal turns off.
3. If second red led only is activated, passenger heating valve opens %80. And Pomp Signal turns on.
4. If both of second red led and third red led are activated, passenger heating valve opens %100. And Pomp Signal turns on.

DEFROST FLAP CONTROL BUTTON

1. When defrost flap control button is activated, air flows to defrost and its led turns on.

DRIVER FLAP CONTROL BUTTON

1. When driver flap control button is activated, air flows to driver and its led turns on.
2. If both defrost flap control button led and driver flap control button led are turn on, air flows to both defrost and driver.

FRESH AIR FLAP CONTROL BUTTON

1. When fresh air flap control button is activated, defrost feeds by inside of car air.
2. When fresh air flap control button is inactive, defrost feeds by outside of car air.

DEFROST CONTROL BUTTON

1. This button is a special function for solving damp of defrost shortest time.
2. If defrost button is pushed in auto mode, driver side (driver fan and driver heating valve) obeys defrost command and is independent from auto mode command. Passenger side obeys auto mode command.
3. When defrost button is active;
 1. Driver Fan works third step.
 2. Driver heating valve opens %100.
 3. Defrost feeds outside of car air.
 4. Air flows to defrost.
 5. Air Conditioning turns off.

AIR CONDITIONING FAN CONTROL BUTTON

1. Air Conditioning fan control button has three steps.
2. When air conditioning fan control button is pushed, air conditioning fan step increases one every time. And its leds turn on/off according to pushing the button.
3. When the button is pushed in manual mode, compressor is not turned on. The button is used only for air circulation.

HEATING AND COOLING DEGREE SETTING UP BUTTON

1. It is used for increasing set temperature.

HEATING AND COOLING DEGREE SETTING DOWN BUTTON

1. It is used for decreasing set temperature.

HEATING OR COOLING AUTO MODE CONTROL BUTTON

1. It is used for using control panel in auto mode.

AUTO MODE

1. When Auto button is pushed, Auto Mode becomes active. And its led turns on.
2. When Auto Mode is activated;
3. As comparing sensor temperature and set temperature, heating or cooling functions that needs system requirement are made by setting driver fan, driver heating valve, passenger fan, air conditioning fan and passenger heating valve.
4. For turning off the auto mode, Auto button should be pushed.
5. When any of driver fan or driver heating valve buttons are pushed, both of them becomes manual. And driver side controls manually. Passenger side continues automatically.
6. When any of air conditioning fan, passenger fan or passenger heating valve buttons are pushed, all of them becomes manual. And passenger side controls manually. Driver side continues automatically.

COOLING FUNCTION

Driver Side =>

1. When the Auto button is pushed, Control Panel works according to difference between driver sensor temperature and driver set temperature. And step of driver fan and position of driver heating valve is set automatically.
2. For cooling, driver sensor temperature should be two more than driver set temperature.
3. For closing cooling automatically, driver sensor temperature should be one less than driver set temperature.

Passenger Side =>

1. When the Auto button is pushed, Control Panel works according to difference between passenger sensor temperature and passenger set temperature. And step of air conditioning fan, step of passenger fan and position of passenger heating valve is set automatically.
2. For cooling, passenger sensor temperature should be two more than passenger set temperature.
3. For closing cooling automatically, passenger sensor temperature should be one less than passenger set temperature.

HEATING FUNCTION

Driver Side =>

1. When the Auto button is pushed, Control Panel works according to difference between driver sensor temperature and driver set temperature. And step of driver fan and position of driver heating valve is set automatically.
2. For heating, driver sensor temperature should be two less than driver set temperature.
3. For closing heating automatically, driver sensor temperature should be one more than driver set temperature.

Passenger Side =>

1. When the Auto button is pushed, Control Panel works according to difference between passenger sensor temperature and passenger set temperature. And step of air conditioning fan, step of passenger fan and position of passenger heating valve is set automatically.
2. For heating, passenger sensor temperature should be two less than passenger set temperature.
3. For closing heating automatically, passenger sensor temperature should be one more than passenger set temperature.

ERROR CODES

“Er”ERROR

1. If Control Panel takes High or Low Pressure Signal from Air Conditioning system, Control Panel shows “Er” on display. When this error occur, air conditioning system is turned off totally.
2. Air Conditioning Fan can work without cooling.

“E1”ERROR

1. If Control Panel detects driver sensor error, Control Panel shows “E1” on display.
2. Driver side sensor defines driver side temperature. If the sensor is broken, in auto mode, driver side becomes manual mode and makes heating and cooling function by driver fan and driver heating valve without comparing driver sensor temperature and driver set temperature.

“E2 “ERROR

1. If Control Panel detects passenger sensor error, Control Panel shows “E2” on display.
2. Passenger side sensor defines passenger side temperature. If the sensor is broken, in auto mode, passenger side becomes manual mode and makes heating and cooling function by air conditioning fan, passenger fan and passenger heating valve without comparing passenger sensor temperature and passenger set temperature.