

## KC-430S

### Passengers' & Driver's Comfort Control

FTPTKC-430SI\_121004



#### KC-430S Control Panel

##### SPECIFICATIONS

###### External dimensions:

188,50 x 58,50 mm. Depth: 91 mm.

###### Dimensions of the mounting window:

181 x 51 mm

###### Voltage supply:

16 – 32 Vdc

###### Short circuit protection

Towards ground and towards + supply

###### 4 Temperature probes

PTC1000 1KOhm at 25°C

###### Display type / Colour:

LCD / White, Green, Blue, Red

###### Keypad type

Illuminated silicone keypad

###### Connectors:

4

###### Type of connectors:

4,20 mm. Mini-Fit Jr. 22 pins, 18 pins, 10 pins, 6 pins

###### Operating Temperature:

-20°C to 85°C

###### Storage Temperature:

-40°C to 85°C

#### KC-N430 Node

##### SPECIFICATIONS

###### External dimensions:

204 x 147 mm. Height: 38 mm.

###### Voltage supply:

16 – 32 Vdc.

###### Short circuit protection

Towards ground and towards + supply

###### 4 Temperature probes

PTC1000 1 KOhm at 25°C

###### Communication with KC-430 Panel

CAN BUS 2.0B

###### Communication with Vehicle's Chassis

CAN BUS 2.0B

###### Connectors:

4

###### Type of connectors:

4,20 mm. Mini-Fit Jr. 22 pins, 18 pins, 10 pins, 6 pins

###### Operating Temperature:

-40°C to 85°C

###### Storage Temperature:

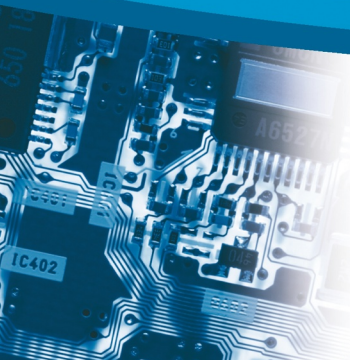
-40°C to 85°C

###### Normative

ISO 7637, ISO 16750

### FEATURES: (Using an additional CAN BUS NODE KC-N430)

- Microprocessor controller
  - LCD display with backlight (white, green, blue and red colors are available) and illuminated keys
  - Connection to 8 temperature probes
    - External temperature
    - Driver's place temperature
    - Driver's evaporator coil temperature
    - Driver's outlet temperature
    - Passengers' zone temperature
    - Passengers' ventilation channel temperature
    - Passengers' evaporator coil temperature
    - Engine coolant temperature
  - Outdoor temperature display
  - External programming connector
  - CAN-BUS (Controller Area Network) communication between KC-430 Control panel and KC-N430 Node
  - CAN-BUS (Controller Area Network) communication between KC-430 Control panel and Vehicle chassis
  - Auxiliary Heating control
  - Compressor clutch operation. Supervision of compressor's pressure switches. Max. load: 3 A.
  - Fresh air intake damper operation at closing doors
  - Self-checking
  - Real time operation
  - Overload and short circuit protection
  - Normalized DIN RADIO size
- Driver's place:
- Climate control in driver's place
  - 3 steps speed ventilation blower. Max. load: 300 mA.
  - 20 KHz. PWM Signal for evaporator blowers (5 steps)
  - Fresh air intake / recirculation damper. Max. load: 300 mA.
  - Windshield defrosting function
  - Footwell / Windshield air distribution damper. Max. load: 300 mA.
  - 2 Steps speed platforms heaters blowers (by means external relays). Max. load: 300 mA.
  - Driver's place heating valve control. Max. load: 300 mA.
  - AUTO key for automatic operation
- Passengers' zone:
- Climate control in passengers' zone
  - 3 steps speed ventilation blower (by means external relays). Max. load: 300 mA.
  - 20 KHz. PWM Signal for evaporator blowers (5 steps)
  - Condenser blowers operation (by means external relays). Max. load: 300 mA.
  - 20 KHz. PWM Signal for condenser blowers (2 steps)
  - Ground heating valve control and Roof heating valve control. Max. load: 300 mA.
  - Recirculation coolant engine pump control. Max. load: 300 A.
  - Dehumidification function
  - 2 Steps speed platforms heaters blowers (by means external relays). Max. load: 300 mA.
  - Fresh air intake / recirculation damper. Max. load: 500 mA.
  - AUTO key for automatic operation



# KELD



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