

KC-430L

Passengers' & Driver's Comfort Control

FTPCKC-430LI_121004



KC-430L 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 polycarbonate keypad

Connectors:

4

Type of connectors:

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

Operating Temperature:

-40°C to 85°C

Storage Temperature:

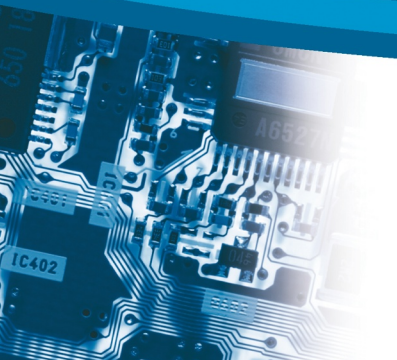
-40°C to 85°C

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. 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 mA.
 - Dehumidification function
 - 2 Steps speed platforms heaters blowers. Max. load: 300 mA.
 - Fresh air intake / recirculation damper. Max. load: 500 mA.
 - AUTO key for automatic operation



KELD



HEADQUARTERS

Polígono Empresarial. C/Lentisco, 15.
50720 La Cartuja Baja. Zaragoza. (Spain).
Tel: +34 976 429 099 · Fax: +34 976 593 532.
E-mail: keld@keld.es · web: www.keld.es
GPS: N 41.5863 W 0.82531

Keld México

Av. Chapultepec No. 148.
Col. Roma C.P. 06700.
Del Cuauhtemoc, México D.F.

Keld China. Jiaxing factory:
D-1 #4 Building. No289 Muyang RD.
Jiaxing Economic Develop Zone.
Jiaxing. China.