

KC-400L

Passengers' & Driver's Comfort Control

FTPCKC-400LI_121004



KC-400L 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:

AMP Power Timer 21 pins, 18 pins, 9 pins, 6 pins

Operating Temperature:

-20°C to 85°C

Storage Temperature:

-40°C to 85°C

KC-N400 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-400 Panel

CAN BUS 2.0B

Communication with Vehicle's Chassis

CAN BUS 2.0B

Connectors:

4

Type of connectors:

AMP Power Timer 21 pins, 12 pins, 9 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-N400)

- 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
 - Water temperature
- Outdoor temperature display
- External programming connector
- CAN-BUS (Controller Area Network) communication between KC-400 Control panel and KC-N400 Node
- CAN-BUS (Controller Area Network) communication between KC-400 Control panel and vehicle chassis
- Automatic recognition of the heating valve type
- Auxiliary Heating control
- Compressor clutch operation. Supervision of compressor's pressure switches. Max. load: 8 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 direct driven. Max. load: 15 A.
- 20 KHz. PWM Signal for evaporator blowers (5 steps)
- Fresh air intake / recirculation damper. Max. load: 1 A.
- Windshield defrosting function
- Footwell / Windshield air distribution damper. Max. load: 1 A.
- 2 Steps speed platforms heaters blowers. Direct driven. Max. load: 6 A.
- Driver's place heating valve control . Max. load: 1 A.
- AUTO key for automatic operation

Passengers' zone:

- Climate control in passengers' zone
- 3 steps speed ventilation blower (by means external relays). Max. load: 1 A.
- 20 KHz. PWM Signal for evaporator blowers (5 steps)
- Condenser blowers operation (by means external relays). Max. load: 1 A.
- 20 KHz. PWM Signal for condenser blowers (2 steps)
- Ground heating valve control and Roof heating valve control. Direct driven. Max. load: 1 A.
- Recirculation water pump control. Direct driven. Max. load: 2,5 A.
- Dehumidification function
- 2 Steps speed platforms heaters blowers. Direct driven. Max. load: 10 A.
- Fresh air intake / recirculation damper. Max. load: 0,5 A.
- AUTO key for automatic operation



KELD



HEADQUARTERS

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