KUSATEK K-Tec

Sauna control unit for gas-powered sauna heater-systems.

Advanced sauna control unit with a compact-sized remote control panel and a separate relay box.

Innovative operation concept with jog-dial switch, quick access to all functions. Great for domestic and commercial use.

Features and benefits:

- Control of up to 8 burners and the corresponding fans.
- Evaluating burner malfunctions (up to 4 inputs).
- Control of vaporizer or automatic water splash for humidification.
- Compact-size control panel with a colour TFT display with flush-mounted or surface-mounted installation.
- Jog-dial switch allows quick and simple access to all functions.
- Digital temperature control, 30 - 125 °C range.
- Connection for heater, bench, and humidity sensor.
- Additional control features through optional extensions: coloured light control for LED, music control, Eco / Hot function, remote start and operation.

Relay box
Installation- and service-friendly design.

Control panel
Flush-mounted and surface-mounted installation.

Specifications:

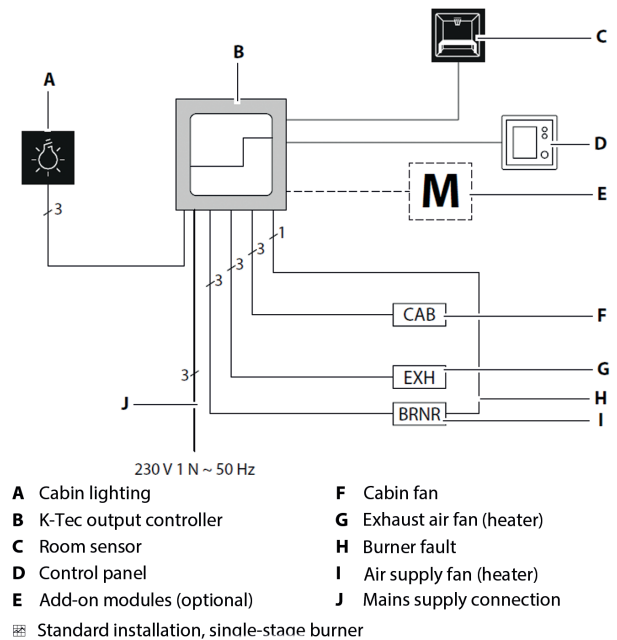|	
Operation:	Buttons for on/off and lighting, jog dial
Power supply:	230 V 1N ~ 50 Hz
Switching output:	Max. 3,5 kW
Control panel dimensions (W×H×D):	127 × 130 × 25 mm, mounting depth approx. 20 mm
Control panel out-/inputs:	1 × RJ10 jack for relay box 1 × connection for memory card (microSD memory card reader)
Relay box dimensions (H×W×D):	240 × 230 × 70 mm
Relay box out-/inputs:	3 × RJ10 jack for sensor connection 4 × RJ14 jack for control panel and add-on modules

Scope of delivery

1 Relay box with 2-piece front cover

5 bushings

3 wood screws 5 × 25 mm

5 m connecting cable with RJ14/RJ10 modular plug for control panel

1 Removal tool for front panel

1 Control panel with housing for mounting in the wall or mounting on the wall

1 Installation and operating instructions
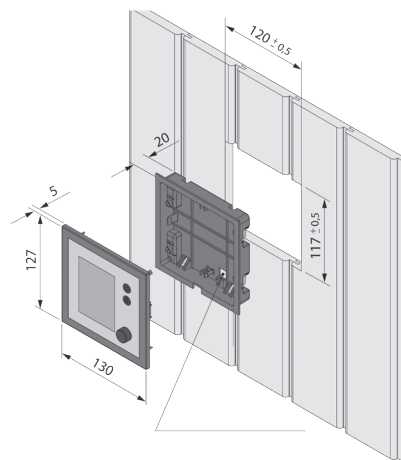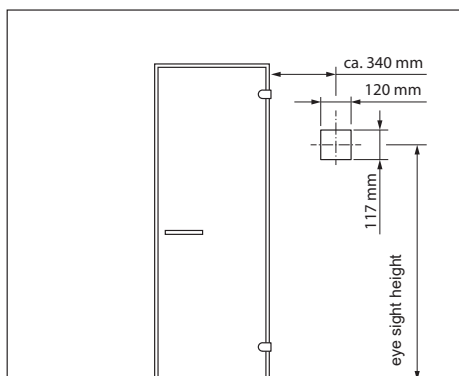
1 Temperature sensor with safety temperature limiter, incl. 5 m connecting cable with RJ10 plug, housing, circuit board, 2 screws 4 x 40 mm

CE UKCA EAC IPx4 made in Germany

Technical specifications

K-Tec	
Ambient temperature	-10 °C to +40 °C
Storage temperature	-20 °C to +60 °C
Relay box housing	Plastic
Relay box dimensions (H × W × D)	240 × 230 × 70 mm
Weight	approx. 1,5 kg
Power supply	230 V 1N ~ 50 Hz
Switching output	Max. 3,5 kW
Temperature control	Measured room temperature: 30 - 125 °C
Connection for lighting	Min. 5 W (20 mA), max. 250 W
Connection for fans	230 V 1N ~ 50 Hz, single-stage, max. 100 W
Sensor system	Room temperature sensor, analogue or digital
Heating time limitation	Up to 6 hrs/12 hrs/18 hrs/infinite
Control panel dimensions (W × H × D)	127 × 130 × 25 mm, mounting depth approx. 20 mm
Display	TFT colour display 55 × 74 mm (3.5"diagonal)

Installation example

230 V 1 N ~ 50 Hz

A	Cabin lighting	**F**	Cabin fan
B	K-Tec output controller	**G**	Exhaust air fan (heater)
C	Room sensor	**H**	Burner fault
D	Control panel	**I**	Air supply fan (heater)
E	Add-on modules (optional)	**J**	Mains supply connection

Standard installation, single-stage burner

Control panel installation

Relay box installation

Technical changes reserved