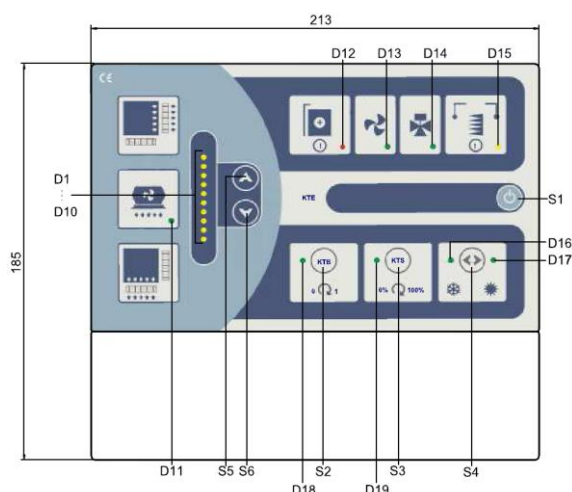


KTE – CONTROL BOX

KK KTE 09.14 EN

DIMENSIONS



GENERAL INFORMATION

Control box is dedicated for one unit Leo KM. It supply fan of the water heater, exhaust fan and additional peripherals of equipment. KTE lead alarm in case of pollution of filters, dangerous freezing of heat exchanger.

Power supply: 230V / 50Hz

IP / Isolation class: 54

Weight: 2kg

SIGNAL LEDS

D1...D10 – yellow

KTB mode:

D1 Led on – mixing chamber is open;

D1 Led flashing – thermostatic mode, temperature is reached, mixing chamber is closed, in case of drop temperature, the mixing chamber will be opened.

D10 Led on – mixing chamber is closed

D10 Led flashing – thermostatic mode, temperature is reached, mixing chamber is closed, in case of drop temperature, the mixing chamber will stay closed.

KTS mode:

D1...D10 Led on – number of LED being on inform about opening level of the mixing chamber in range 0-100%

D1...D10 Led flashing – number of flashing LED inform about opening level of the mixing chamber; thermostatic mode, temperature is reached, mixing chamber is closed, in case of drop temperature, the mixing chamber will be opened with set level (numbers of flashing Led)

D11 – green Led, exhaust fan operating (WD).

D12 – red Led, anti freeze alarm.

D13 – green Led, water heater fan operating (AGW).

D14 – green Led:

KTE is on – Led on when valve is open;

KTE is off – flashing Led inform about standby operating.

D15 – yellow Led, high pollution of filters .

D16 - green LED:

Led on – winter mode, continuously mode

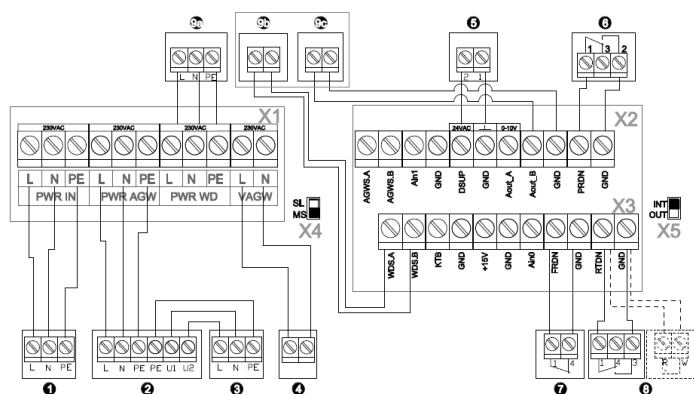
Led flashing - winter mode, thermostatic mode

D17 – green LED, Summer mode

D18 – green LED, KTB mode on

D19 – green LED, KTS mode on.

WIRING DIAGRAMS

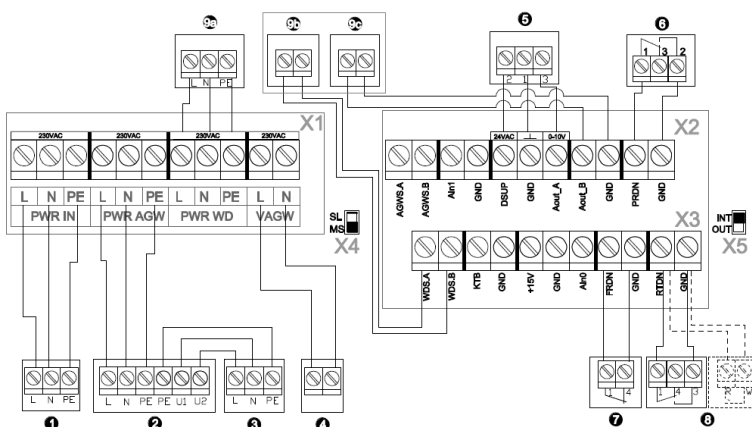


1. Supply 230V/50Hz (cables OMY 3x2,5mm²)
2. Fan speed regulator TR* (cables OMY 3x1mm²)
3. Water heater fan (cables OMY 3x1mm²)
4. Valve actuator SRV2d* (cables OMY 2x1mm²)
5. Damper actuator SP ON/OFF (cables OMY 2x0,5mm²)
6. Pressure switch PF* (cables OMY 2x0,5mm²)
7. Anti freeze thermostat TPR (cables OMY 2x0,5mm²)
8. Room thermostat RA (RD)* (cables OMY 2x0,5mm²)
- 9a. 1-phase exhaust fan supply* or 1-phase inverter* (cables OMY 3x1mm²)
- 9b. Inverter contactor* (cables OMY 2x0,5mm²)
- 9c. Output control signal for inverter* (cables LIYCY 2x0,5mm²)

*Optional equipment.

⚠ In case of operating exhaust fan with Leo S-type units, the fan of water heater should operate with maximum air volume (5th step on TR) and switch X5 pre-set at INT.

For length of cables above 100 [m], recommended diameter of cables should be reviewed.



1. supply 230V/50Hz (cables OMY 3x2,5mm²)
2. Fan speed regulator TR* (cables OMY 3x1mm²)
3. Water heater fan (cables OMY 3x1mm²)
4. Valve actuator SRV2d* (cables OMY 2x1mm²)
5. Damper actuator SP 0-10 (cables LIYCY 3x0,5mm²)
6. Pressure switch PF* (cables OMY 2x0,5mm²)
7. Anti freeze thermostat TPR (cables OMY 2x0,5mm²)
8. Room thermostat RA (RD)* (cables OMY 2x0,5mm²)
- 9a. 1-phase exhaust fan supply* or 1-phase inverter* (cables OMY 3x1mm²)
- 9b. Inverter contactor* (cables OMY 2x0,5mm²)
- 9c. Output control signal for inverter* (cables LIYCY 2x0,5mm²)

*Optional equipment.

⚠ In case of operating exhaust fan with Leo S-type units, the fan of water heater should operate with maximum air volume (5th step on TR) and switch X5 pre-set at INT.

For length of cables above 100 [m], recommended diameter of cables should be reviewed