Honeycomb Control Unit
EKWE 320

Küppersbusch

THE HEART OF A GOOD KITCHEN

GB

Service Manual: H1-58-01-04

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1. Replacing the honeycomb control unit ESW 308.6 by the EKWE 320

1.1 Defect of the honeycomb control unit

The new honeycomb control unit including the power module can replace any old honeycomb control unit.

The new honeycomb control units are not larger than the older ones, but a power module will be added to the new, very flat honeycomb control unit.

Please note: honeycomb control unit horizontal or honeycomb control unit pointed.

The number of the honeycomb control unit is no longer necessary!

1.2 Replacement

Completely remove the old control unit.

see:

Service Manual H1-58-01-02-Ä

Repair instruction ESW 308.6

Chapter 8 Replacement description

The plugs of the old heating honeycombs do not fit into the sockets of the new power module.

The existing connection is too short and should not be extended.

The connection must be replaced by a new connection cable.

Product number 162712

alternatively:

The plug can be replaced if the connection cable is long enough.

It is recommended to deactivate the pot recognition by entering the code.

When replacing **change** the pre-set code **88 in 66**.

or see **Selection of the programme function p. 10** or

User Manual EKWE 320

1.3 How to proceed

In case of repairs replace the ceramic honeycomb as follows:

Disconnect the appliance from the mains!

Hold ready the replacement parts

new honeycomb control unit and power module

091581	Adhesive cleaner
535885	PACTAN Primer
091580	PACTAN Adhesive
162712	Connection cable

Undo and remove the casing cover with the power module and the control board from the casing.

Carefully cut the silicone seam between glass and worktop with a knife.

Usually honeycomb and casing can be separated from the worktop by exerting gentle but constant pressure from below.

With wood or chipboard worktops, keep the amount of wooden fragments removed to an absolute minimum!

In case of fitting the unit into a wooden surface, make sure to apply Primer to this surface beforehand.

see:

Repair instruction ESW 308.6

Chapter 8 Replacement description

1.4 Electrical connection

The electrical connection must be carried out by a qualified electrician who is authorized to carry out such work.

Both legal wiring regulations and the requirements of the local electric power supplier must be fully complied with.

When connecting the appliance, a device must be provided which enables all-pole disconnection of the appliance from the supply with a gap construction of at least 3 mm. For this a line protection, fuse and contactor can be used.

When connecting and repairing the appliance disconnect it from the electricity supply.

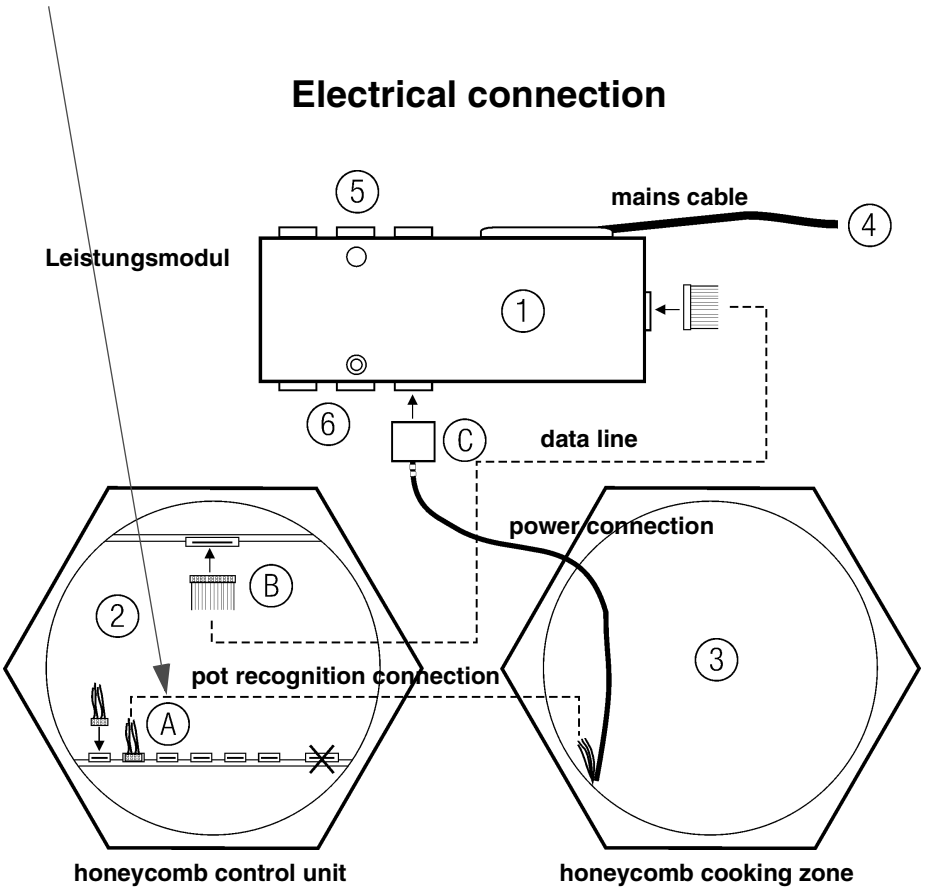
Overall protection against electric shock must be ensured by the installation.

The earthed conductor lead must be sufficiently long so that, in the event of failure of the strain relief, it is not subjected to strain until after the live wires of the connection cable. Any superfluous cable must be removed from the installation area beneath the appliance. During installation the honeycomb control unit must be dead.

Only honeycomb cooking zones may be connected to the honeycomb control unit EKWE 320. Otherwise a dangerous situation may occur. The appliance has to be connected following the attached connection plan.

The power connection cable must be replaced.

The pot recognition connection does not take place.



1.5 Connection of the honeycomb cooking zone to the honeycomb control unit and power module

Trip line plugs of the honeycomb cooking zone are plugged into six sockets of the honeycomb control unit. For this the cables must point to the middle of the honeycomb control unit. Plugs for the power line in the honeycomb control unit have to be plugged into to the sockets of the power module. For single-circuit honeycomb cooking zones any socket can be used. For dual-circuit cooking zones, however, one of the three sockets for dual-circuit cooking zones on the power module have to be used. The honeycomb control unit is connected via power line to the power module. The power module is connected to the fixed connection (oven connection socket) with a mains cable.

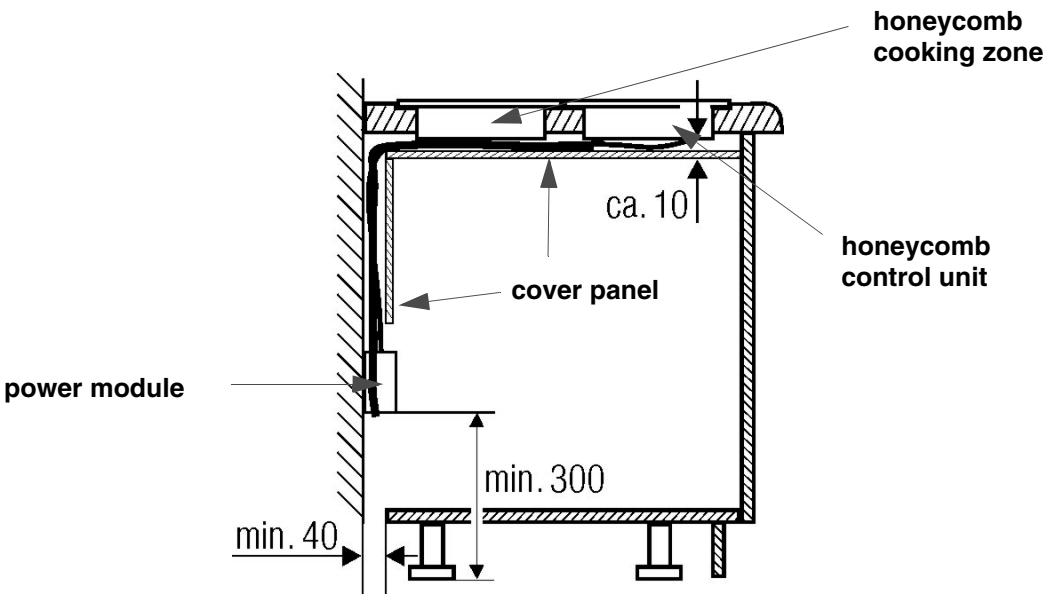
Only use a H 05 RR-F or H 05 RN-F connection cable with a minimum length of 1.5 m.

1.6 Cover panel for the honeycomb cooking zone in the lower cupboard

To prevent a contact between the electrical lines and the hot honeycomb cooking zone from below a cover panel is inserted under the cooking zone in the lower cupboard.

This cover panel may only be removed with tools from the lower cupboard. You can order this cover panel as an optional accessory at Küppersbusch.

Cover panel for the honeycomb cooking zone in the lower cupboard



1.7 Replacement of the power connection cable

The power connection cable with the **spare part number 162712** can be fitted into all honeycomb cooking zones.

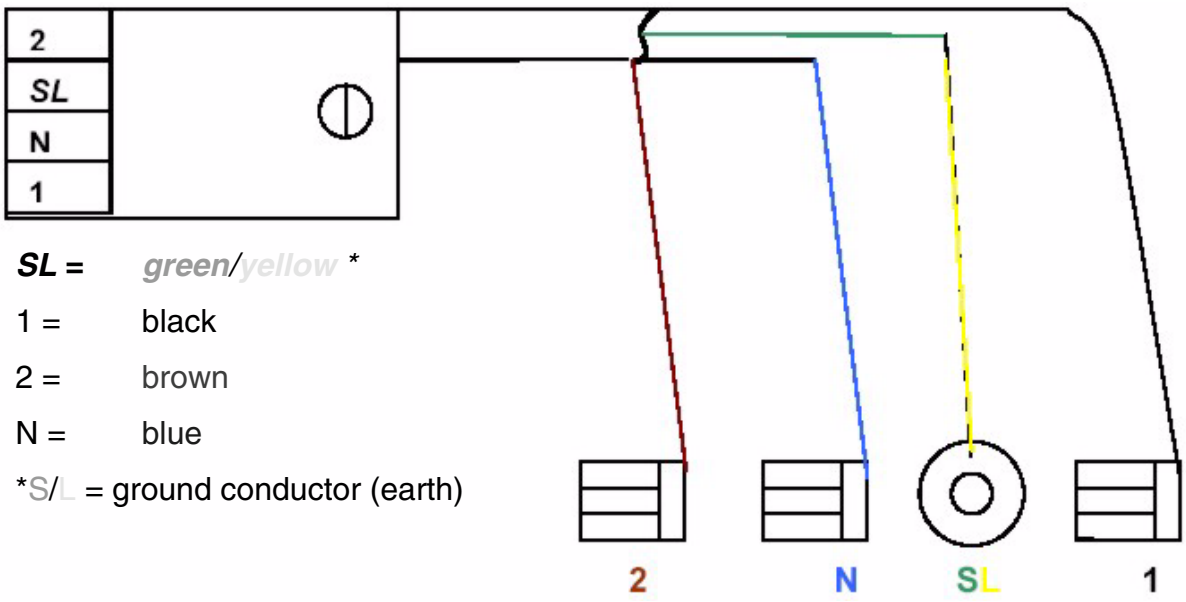
All old connections must be removed, as these do no longer comply with the necessary regulations.

Open the honeycomb cooking zones from below and disconnect the old connections.

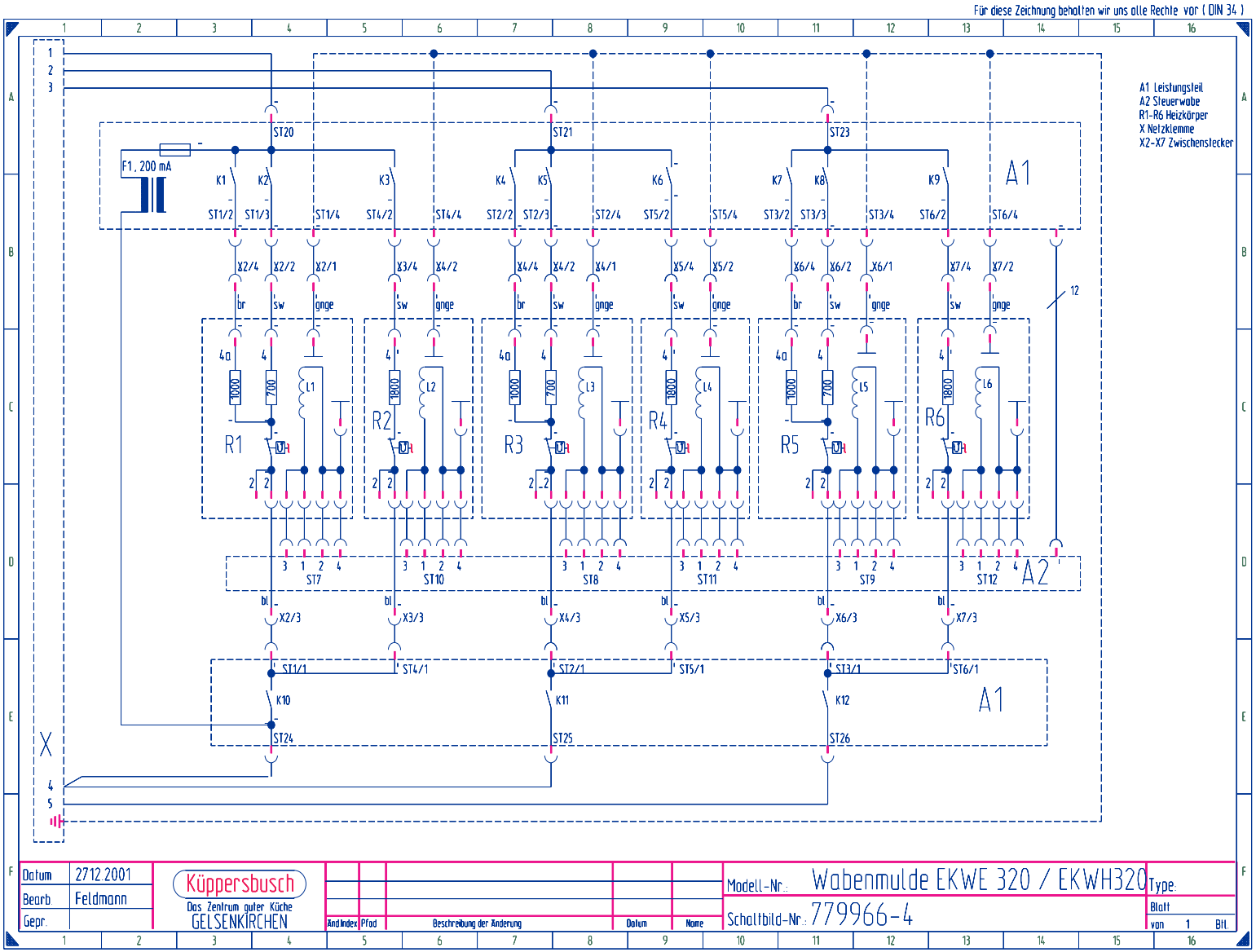
Connect the new power connection cable to the honeycomb cooking zones.

Check safety (VDE 0701) and function.

With single-circuit honeycomb cooking zones both cable leads black (1) and brown (2) must be connected. If there is no possibility of doing so the cable lead that is not being used (brown) has to be shortened so that there is no risk of short-circuit or ground contact.



1.8 Circuit diagram EKWE 320



2. Programming the honeycomb layout

As one honeycomb control unit can be used for all kinds of honeycomb layouts the control unit has to be programmed as to which honeycomb cooking zones have been installed in what kind of layout.

1. Selection of the programme function

Disconnect the honeycomb control unit from the power supply and switch it on again, as this programming function is only available after a **failure of circuit**. On the honeycomb control unit **"rotating zeros"** appear. Then touch the **clock and minus sensor of the timer simultaneously for approx. 5 seconds**.

The display for the honeycomb cooking zones shows **"C o d"**; the timer display shows **"0"**. Set "88" **in the timer** and the touch the **clock sensor** of the timer. A signal sounds for confirmation. All available plus and minus sensors light up, all dual circuit sensors blink and in the LED **"0"** is displayed.

2. Indicating the honeycomb layout and type

By switching on the according hexagonal border on the honeycomb control unit the **installation layout of all honeycomb cooking zones** is displayed. By doing this the position of the control unit may not be displayed. For this, **touch the plus sensor of the respective honeycomb cooking zone**. The corresponding hexagonal border will be switched on (switching off is done via the minus sensor). For all positions that have dual circuit cooking zones the **dual circuit sensor has to bee touched additionally** (the symbol now lights permanently). Confirm the honeycomb layout setting by touching the key sensor.

3. Allocation of the pot recognition to the honeycomb cooking zones

Since the old honeycomb cooking zones do not provide a pot recognition function, you can **skip** the cooking zone(s) by simply touching the **clock key sensor**.
This configuration **without** pan recognition function will thus be stored in the electronic unit.

4. Allocation of the control unit

One of the honeycomb cooking zones begins to heat up. **Touch the plus sensor belonging to this honeycomb cooking zone on the honeycomb control unit and confirm this by touching the clock sensor of the timer.** Repeat this process six times, i.e. **for all honeycomb cooking zones**. If less than six honeycomb cooking zones have been connected, the connections on the power module stay free. If these connections are triggered, of course no honeycomb cooking zone will light up. Should therefore no honeycomb lighten up, this can simply be confirmed by touching the clock sensor on the timer. After the last allocation has been made, **confirm this by touching the key sensor**.

This configuration will be stored permanently in the electronic unit. The procedure can be repeated in case of error or modification of the allocation. Finally, the pot recognition is calibrated automatically. The LED displays **"CAL"**. After this display has gone out the honeycomb cooking zone can be used.

3. Further Codes

For entering the code, see *Programming the honeycomb layout*.

For fairs and expositions

11 = Demonstration mode off

22 = Demonstration mode on

Only for Customer service replacing old units

66 = Pot recognition entirely off

22 = Pot recognition entirely on

Initial operation

88 = Configurating operation of honeycomb control unit

Setting of active cooking zones or relays and allocation of pot recognition: see operating instructions.