

# Cable routing plan

**Product:** PowerKon LT  
**Version number:** 01



**Genau  
mein  
Klima.**

**KAMPMANN**

### Information on cable laying:

The following information on cable types and cable laying must be observed in compliance with VDE 0100.

The installation, operation and maintenance of these devices must comply with the country-specific applicable laws, standards, regulations and directives.

Without \*: NYM-J. The required number of cores incl. protective conductor is indicated on the cable. Cross sections are not indicated, as the cable length is included in the calculation of the cross section.

\*) : Shielded cable, J-Y(ST)Y 0.8mm. Lay separately from power lines.

\*\*) : Shielded cable stranded in pairs, e.g. UNITRONIC® BUS LD 2x2x0.22, UNITRONIC® BUS LD 3x2x0.22. Install separately from power lines.

- If other cable types are used, they must be at least equivalent.

- The connection terminals on the device are suitable for a maximum wire cross-section of 2.5 mm<sup>2</sup>, the mains plug for max. 4.0 mm<sup>2</sup>.

- When using residual current circuit breakers, these must be at least mixed frequency sensitive (type F). For the design of the rated residual current, the specifications from DIN VDE 0100 Parts 400 and 500 must be observed.

- For the design of the on-site mains supply and fuse protection (C16A, max. 10 devices), the electrical data in the table below must be observed.

- Lines for data or bus signals are shown with shield connected at one end. Lines for analog signals are shown with the shield not connected. Due to structural or local conditions and depending on the type and level of interference, which can be caused by magnetic and/or electric fields in high and/or low frequency ranges, among other things, a different connection of the shield (connected at both ends or not connected) may be necessary. This must be checked by the customer and, if necessary, carried out deviating from the specifications in the documentation!

### Electromechanical:

- Cable length between room thermostat and temperature sensor or switching contact: max. 50 m.


### Display control:

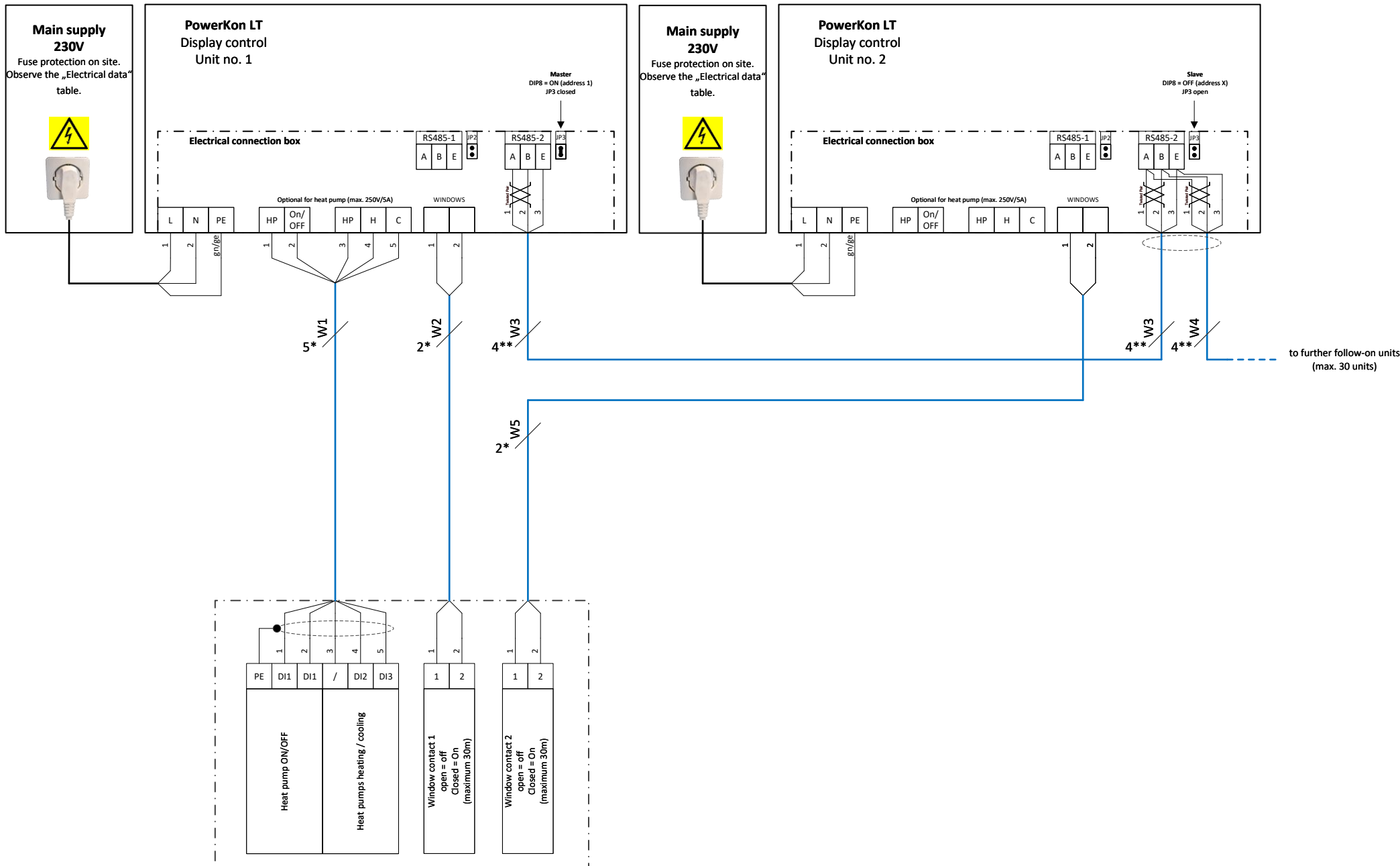
- Maximum number of units in parallel: 30.

- BUS cable length from unit 1 to unit 30: maximum 150 m.

- Cable length external contacts maximum 30m.

- A terminating resistor (120 Ohm) must be set at the first and last participant of a line. Use jumpers 2 and 3 on the control board for this. Jumper closed = terminating resistor set. Before setting the terminating resistor, the control unit must be disconnected from the power supply.

<b>KaControl®</b>	Bearbeiter:	Projekt:	General Information	Blatt-Nr.:	
	Erstelldatum: 13.02.2024	Projekt-Nr.:		2 von 4	





**Kampmann GmbH & Co. KG**  
Friedrich-Ebert-Str. 128-130  
49811 Lingen (Ems)

**T** +49 591 7108-0  
**E** info@kampmann.de

[kampmanngroup.com](https://kampmanngroup.com)

