TW-4Z2 heating controls

- **Only with CAT 5 cabling used for RS-485 networks**
- **Operation can be controlled only by TW-4 and TW-6 controls**
- Built-in 2-point 2-zone control
- Setting of night (16℃) or safety (10℃) temperatures by zones
- Heating or ventilating function for air heaters
- Weekly program, setting of certain dates by zones
- Adjustable hysteresis (0.5 ℃–2 ℃)
- Correction of temperature sensors (–5 ° C– +5 ℃)
- Manual temperature control (continuous holding of a temperature value)
- External temperature measurement (optional accessory)
- Air heaters control (GTV and LH heater models)
- Radiant heaters control (Zenit and Variant heater models)
- Separately controllable ventilator for radiant heater (+0–15 min.)
- Reset function (restarting appliances in specific zones)
- Operating hours counter (for chimney cleaning)
- Chimney sweeping mode (continuous operation at 100% for up to 40 minutes)
- Extension up to 240 zones in Modbus system

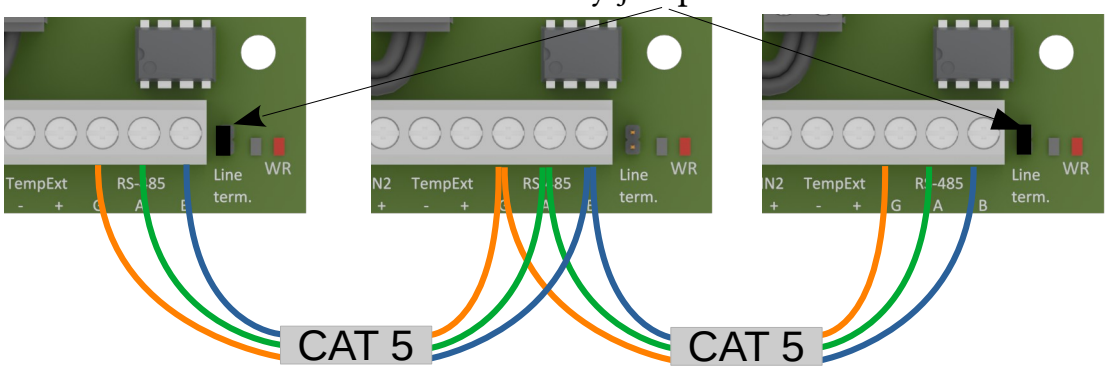
CAUTIONS

Read and understand this manual before assembling, starting or servicing the appliance. Incorrect wiring or application of the heating control may cause serious damages. Keep this manual for future reference.
The appliance contains sharp components which may cause injuries, therefore be very careful when performing work on the appliance.

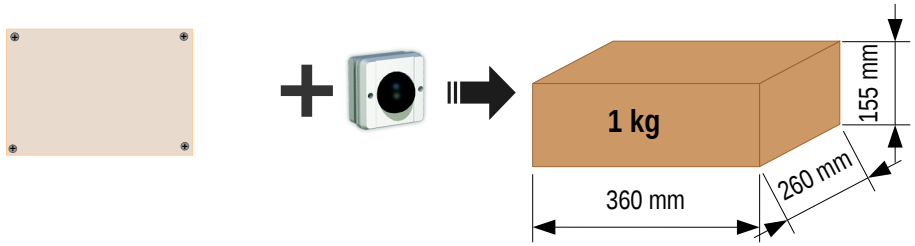
Failure to comply with the precautions and instructions in the manual may result in serious injuries or material damages such as burns, explosions, electric shock or even death.
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge. Children should be supervised to ensure that they do not play with the appliance.
The appliance may only be used or serviced by persons who understand and follow the instructions in this manual.
Assistance or further information in connection with the appliance may be requested from the manufacturer.

3a

- Connect RS-485 connectors with CAT 5 twisted pair cable in daisy chain system, follow the RS-485 standard
- Short Line terminal at the first and last control by jumpers



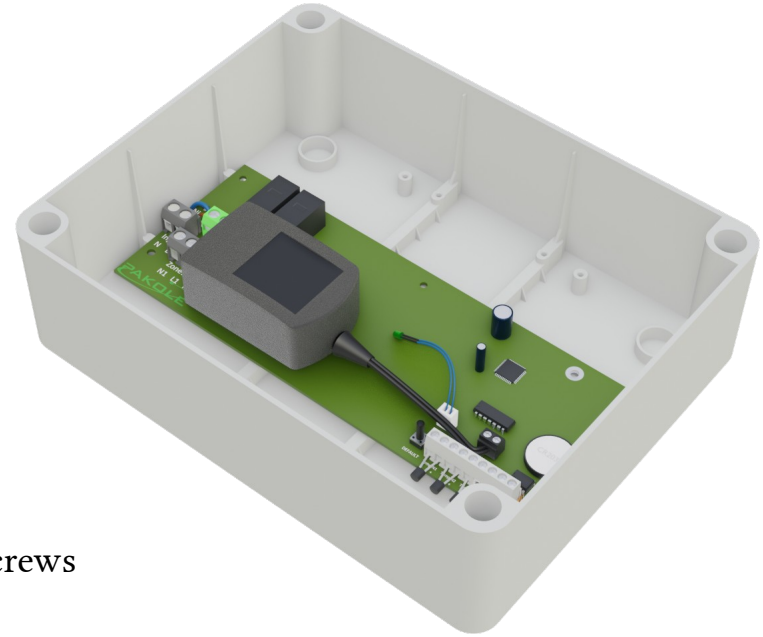
Total cable length may not exceed 1200 meters



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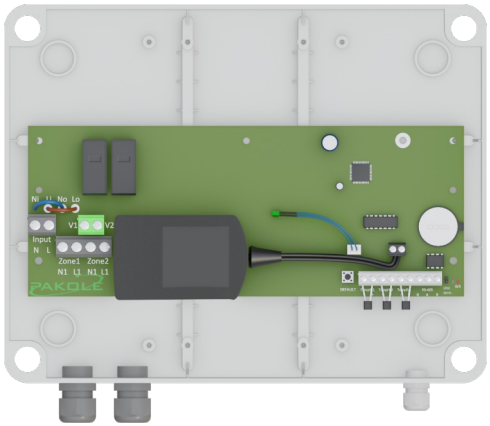
1



- Extract screws
- Open lid

Do not damage the lid seal

2

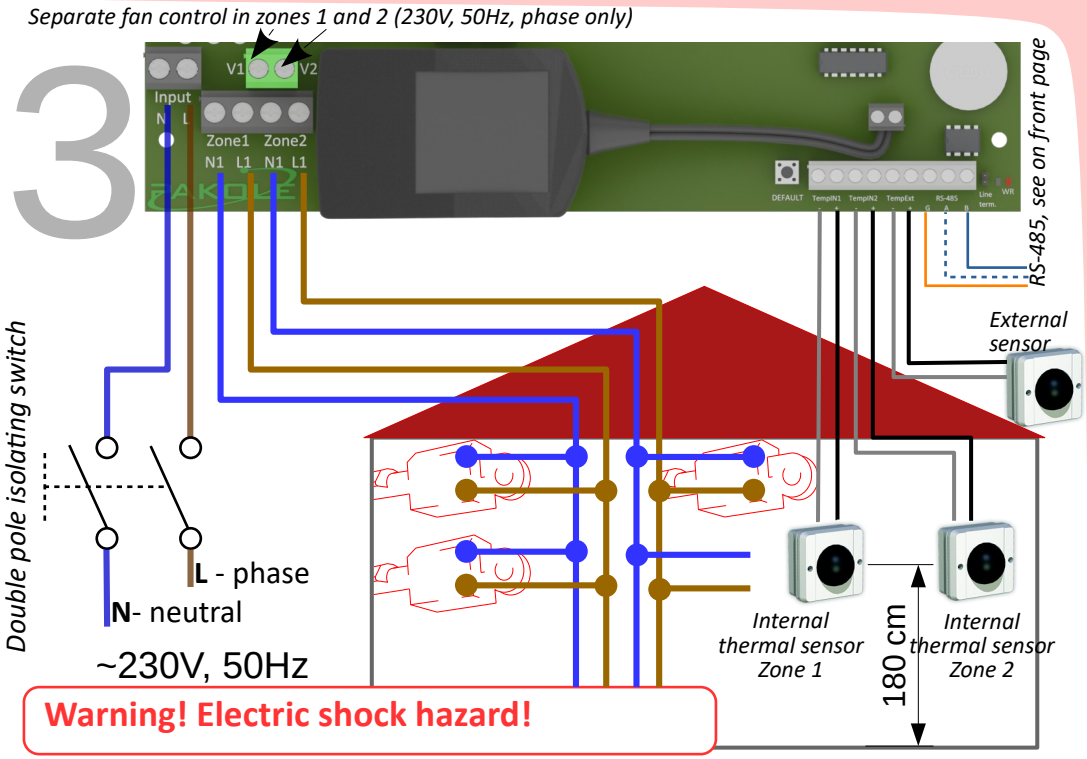


- Drill holes on the any side for cable glands
- Two big holes for power lines, and one small for thermometer(s) wires are recommended
- Connect the 0.75-1.5 mm² cables

- May drill a hole on one side of the box for the operation LED (hanging on the wire), where you can glue it

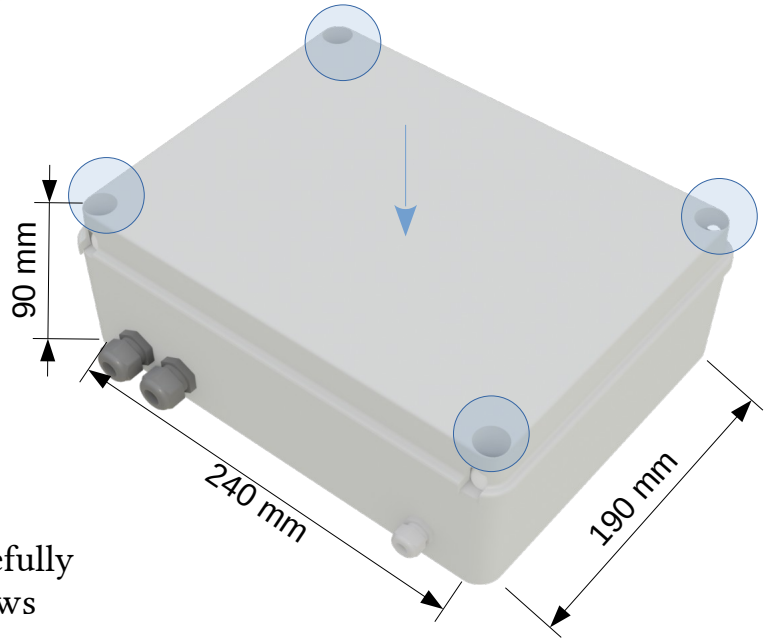
Do not drill into the electronic components.

3



Warning! Electric shock hazard!

4



- Close lid carefully
- Drive in screws

Do not break or pinch any cables.