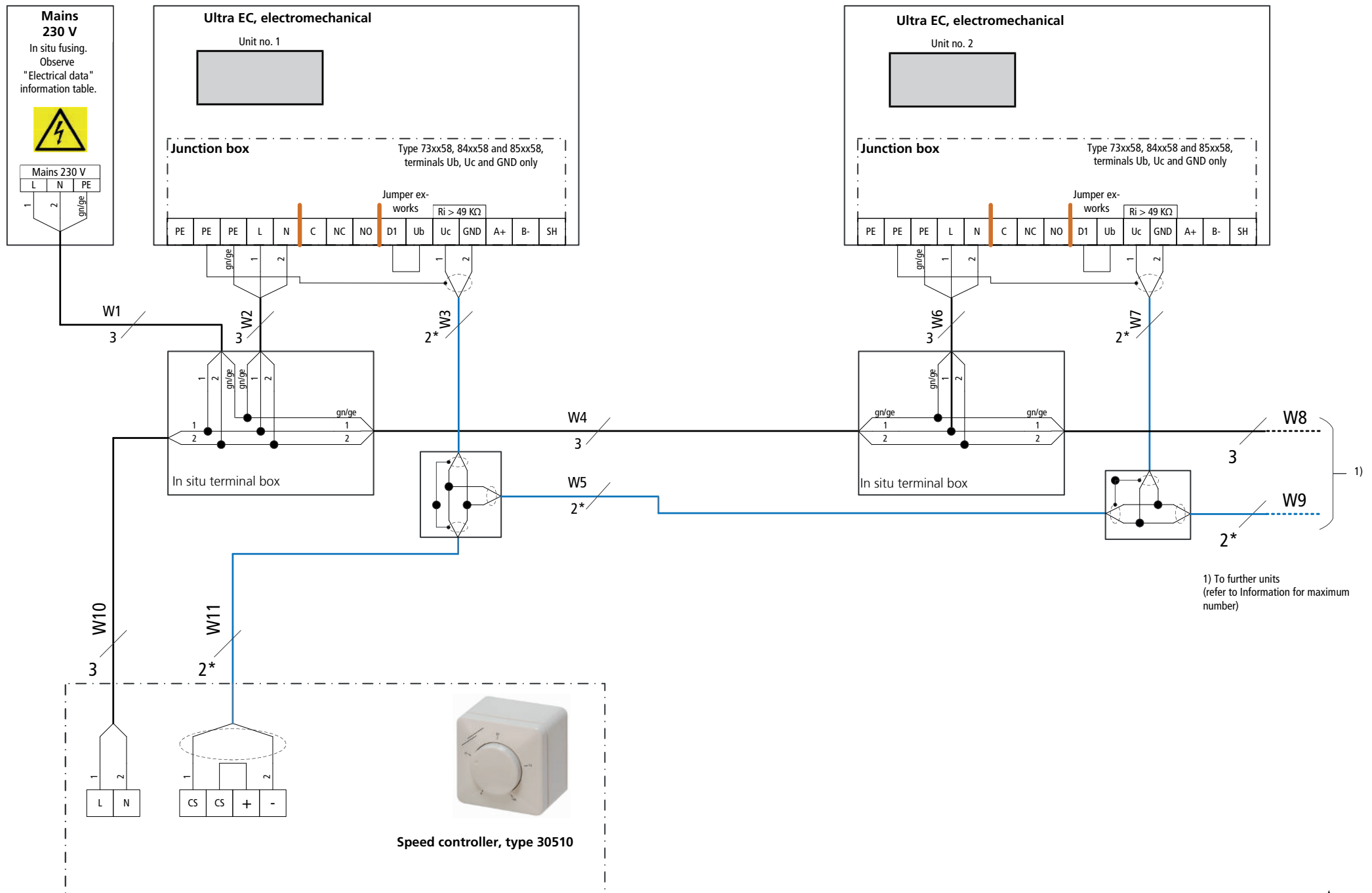


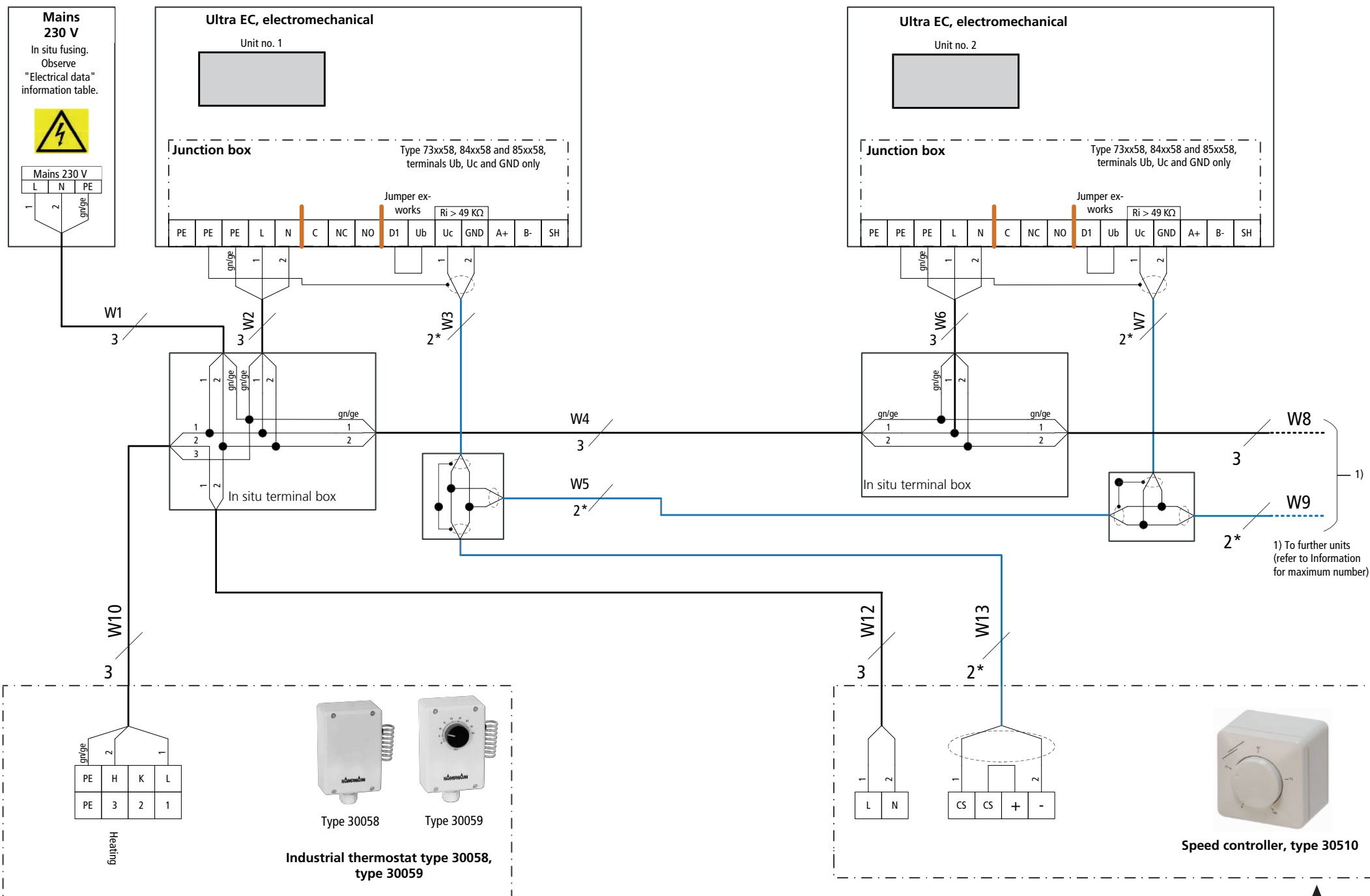
Refer to these points in the following installation diagrams with electromechanical control:

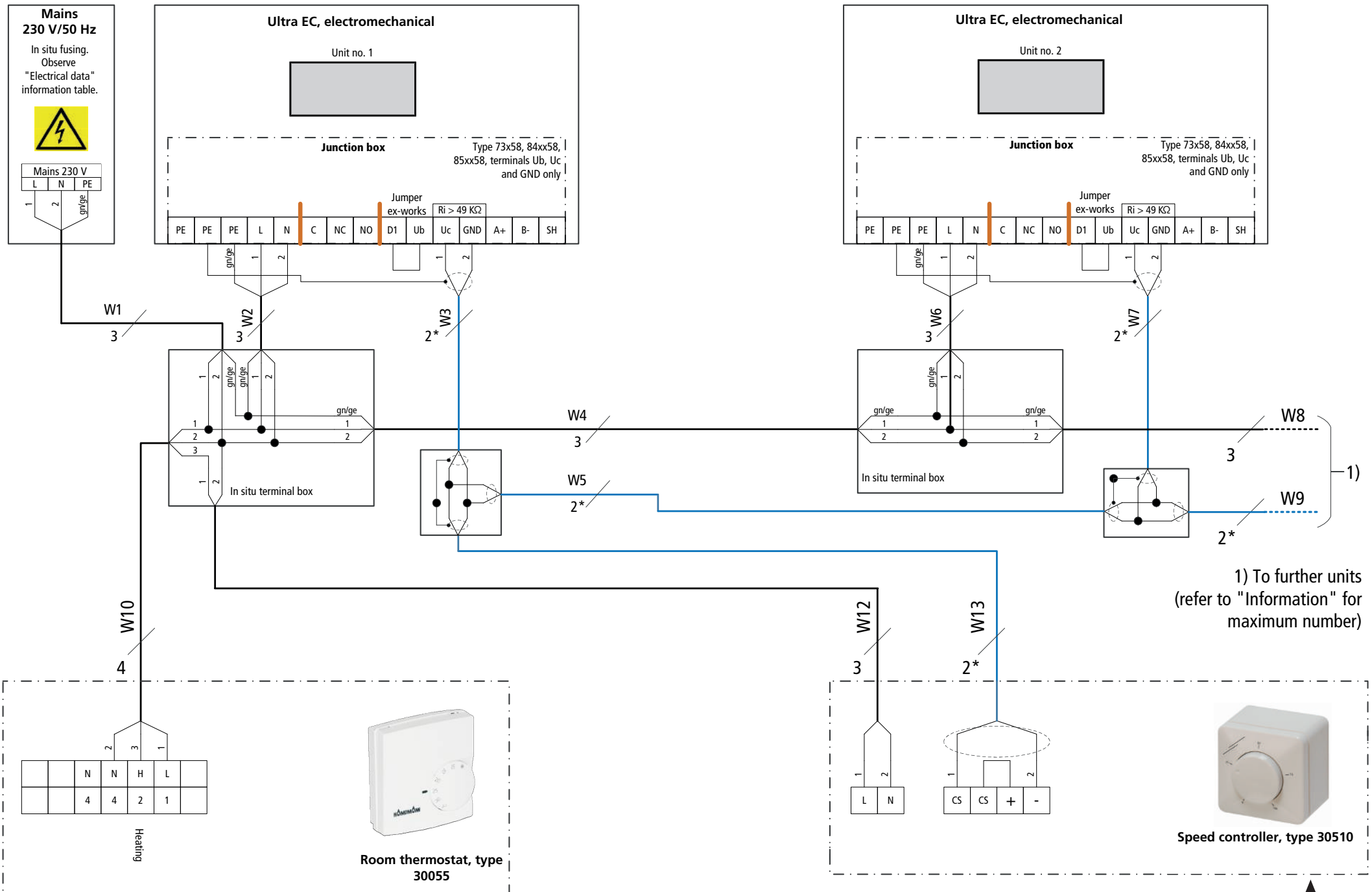
- ▶ Comply with the details on cable types and cabling with due consideration for VDE 0100.
 - ▶ Without *: NYM-J. The requisite number of wires, including protective conductor, is stated on the cable. Cross-sections are not stated, as the cable length is involved in the calculation of the cross-section.
 - ▶ With *: J-Y(ST)Y 0.8mm, max. 100 m between the speed controller and the last unit heater; provide a shield on one side when longer than 20 m. Lay separately from power lines.
 - ▶ With **: Sensor connection cable 1.5 mm₂ e.g. J-Y(ST) Y, 4 x 2 x 0.8 mm, max. 100 m. Lay separately from high-voltage cables.
 - ▶ With ***: J-Y(ST)Y, 0.8 mm, max. 50 m. Lay separately from power lines.
 - ▶ With ****: J-Y(ST)Y, 0.8 mm, max. 100 m. Lay separately from power lines.
 - ▶ If other types of cables are used, they must be at least equivalent.
 - ▶ The terminals on the unit are suitable for a maximum wire cross-section of 2.5 mm².
-
- ▶ Any RCCBs used must be pulsating current-sensitive (type A). When the power supply to the unit is switched on, pulsed charging currents of the capacitors in the integrated EMC filter can cause FI safety devices to trip. A tripping current of 300 mA is recommended to ensure the highest possible operating reliability.
 - ▶ The electrical data need to be respected when rating the in situ mains power supply and fusing.

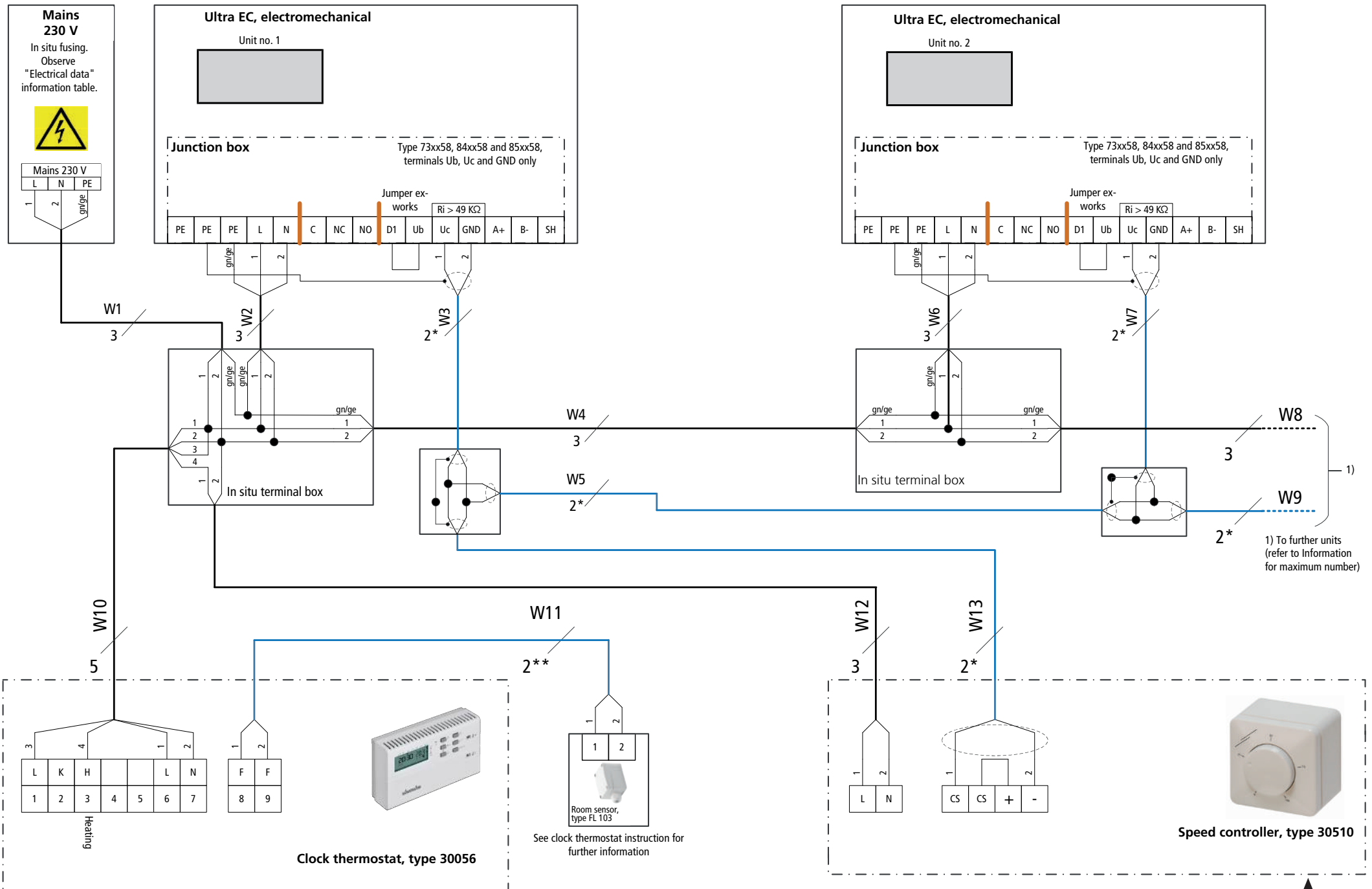


Cabling of Ultra (**00), actuation by speed controller type 30510 with industrial thermostat type 30058/ 30059

Ultra

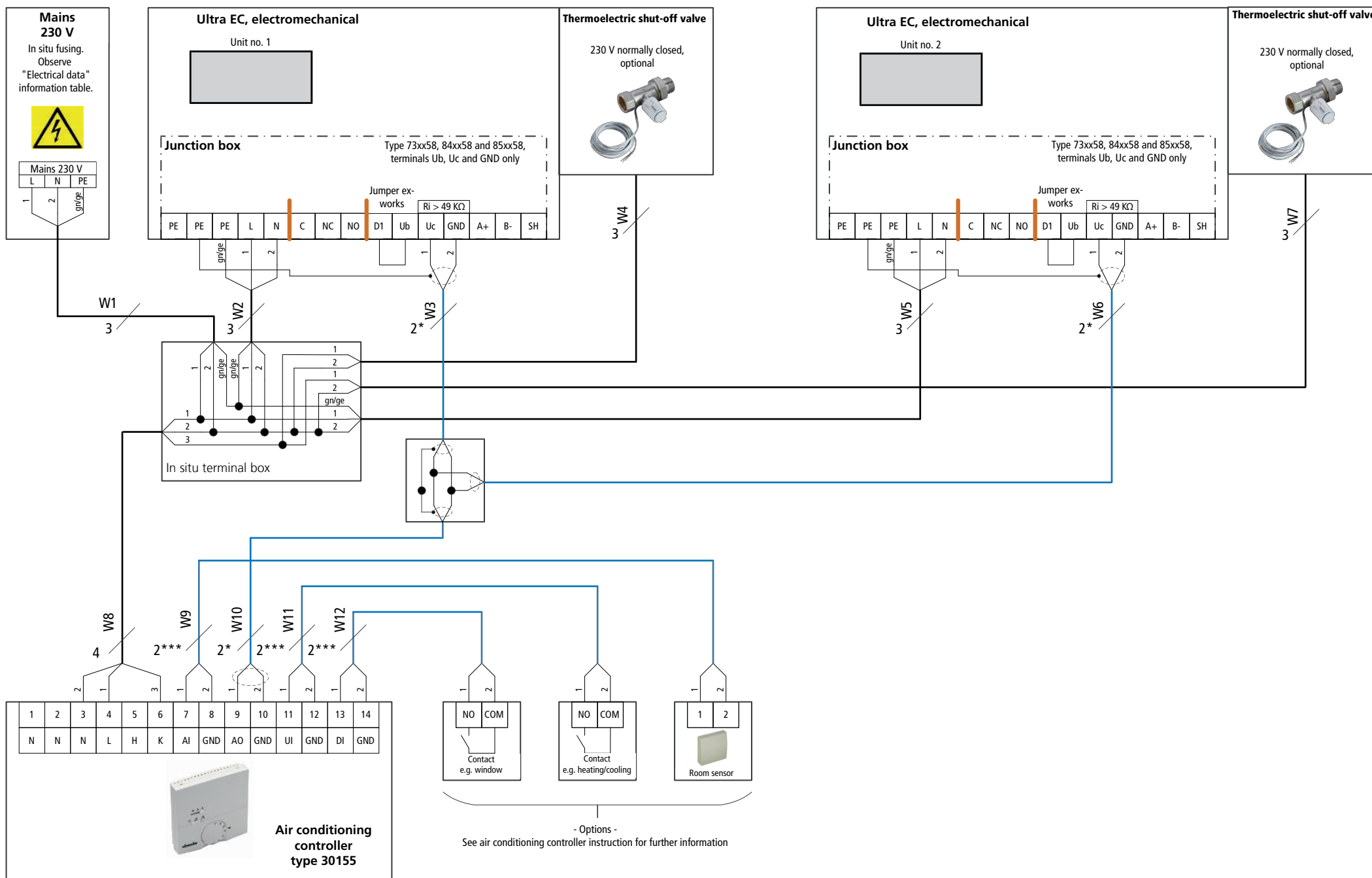






Cabling of Ultra (**00), actuation by Climate controller type 30155, 2-pipe valve actuator 230 V AC, Open/Close

Ultra



Cabling of Ultra (**00), actuation by Climate controller type 30256, 2-pipe valve actuator 230 V AC, Open/Close

Ultra

