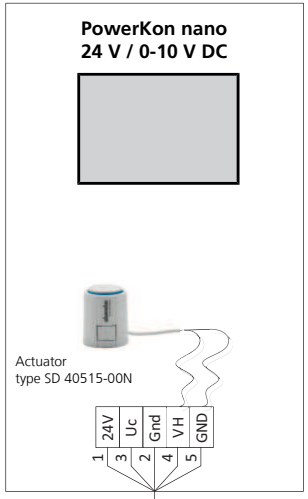
Note these points in the following wiring diagrams for PowerKon nano with electromechanical control:

- 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 earth, 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. 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 mm^2.
- The electrical data need to be respected when rating the in situ mains power supply and fusing.

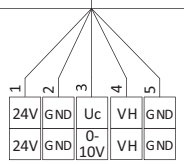
Cabling of PowerKon nano (*24), 0-10 V DC actuation by BMS



Cabling information:
- * Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
- W1: Voltage supply and control signal for fan (0.63 A fuse by others) and actuator.

5* / W1

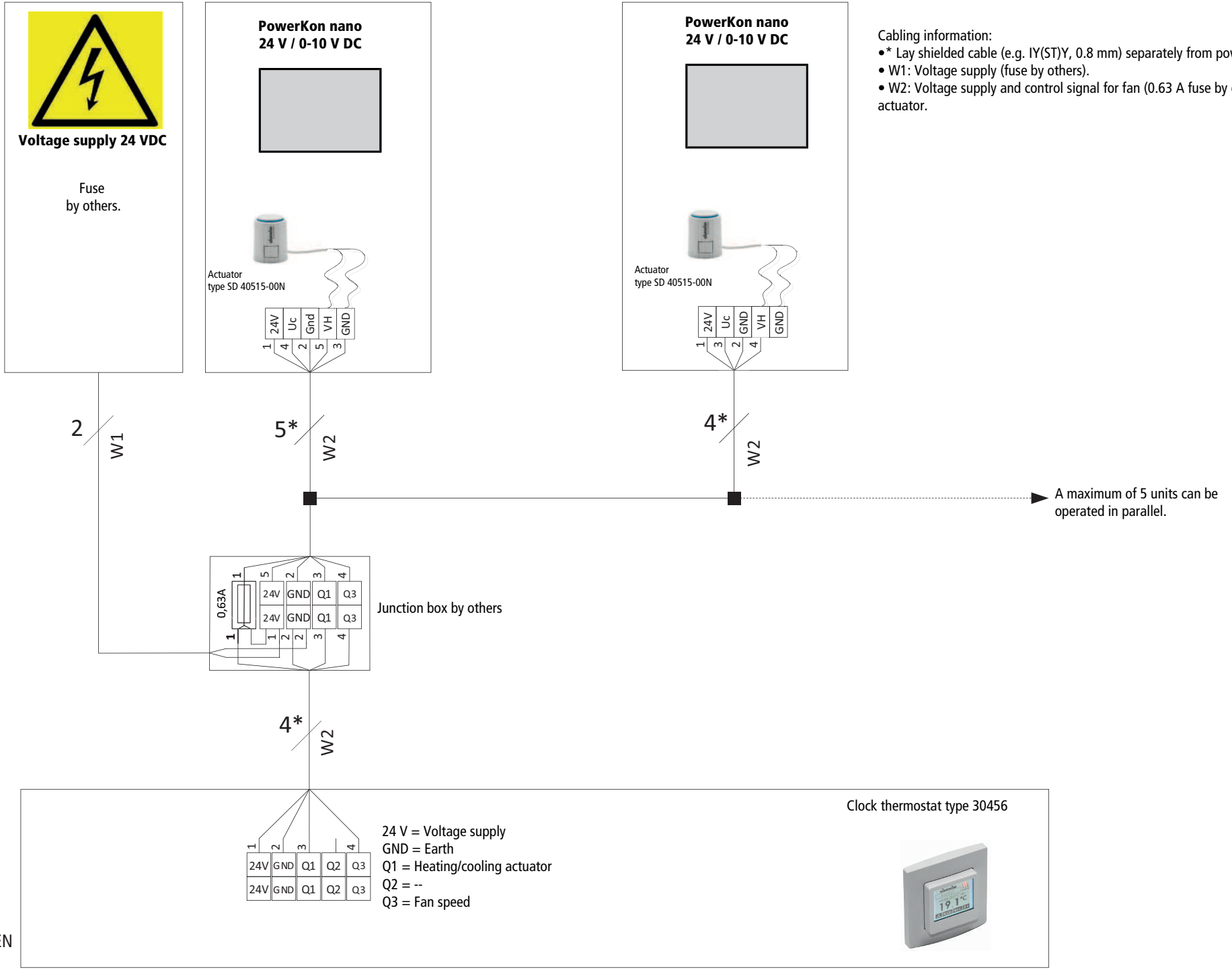
W1: Fuse by others (0.63 A)



24 V = Voltage supply
GND = Earth
Q1 = Heating/cooling actuator
Q2 = --
Q3 = Fan speed

Automation station including central voltage supply (24 V DC)

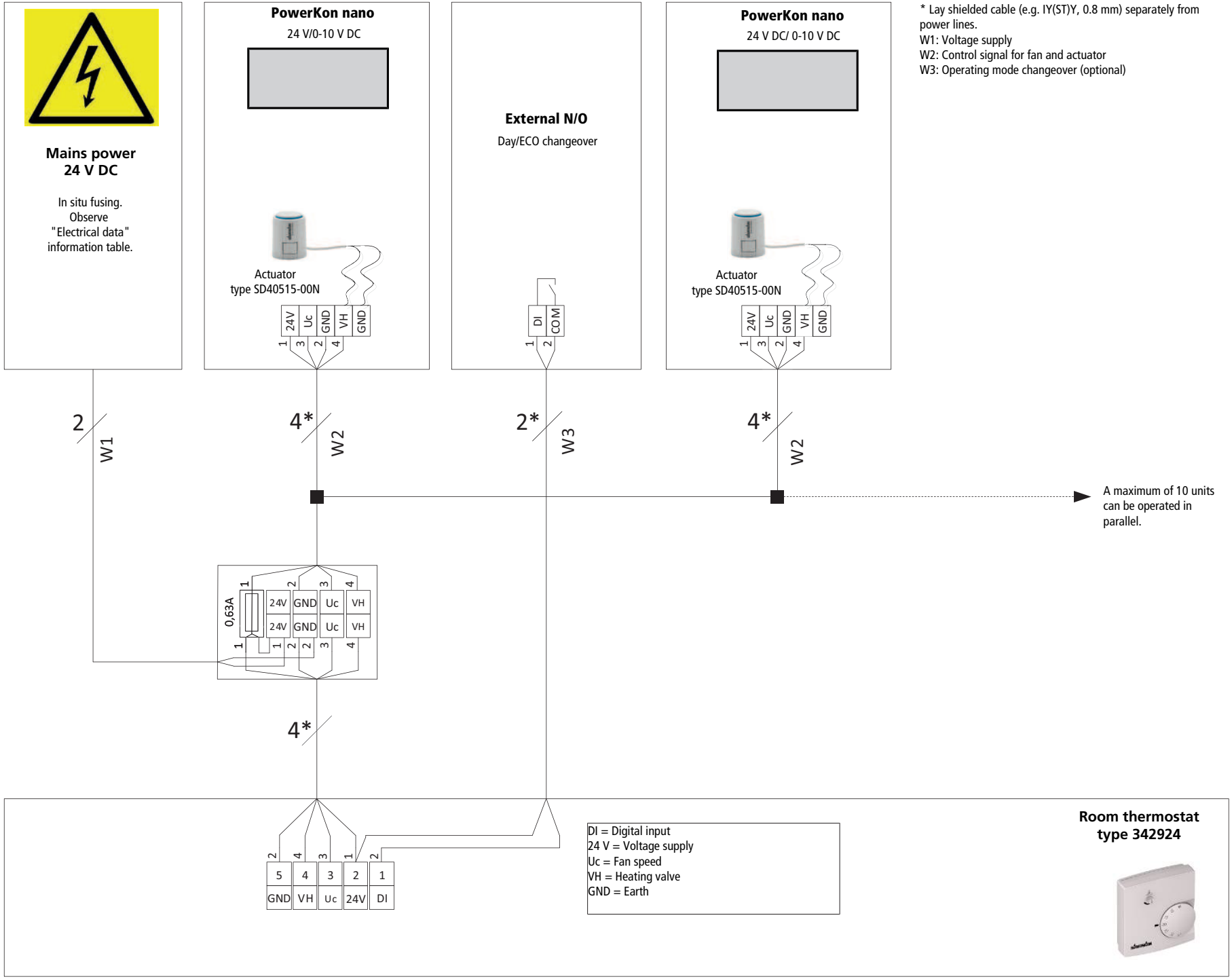
Cabling of PowerKon nano (*24), actuation by clock thermostat type 30456



Cabling information:

- * Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
- W1: Voltage supply (fuse by others).
- W2: Voltage supply and control signal for fan (0.63 A fuse by others) and actuator.

Cabling of PowerKon nano (*24), actuation by room thermostat type 342924

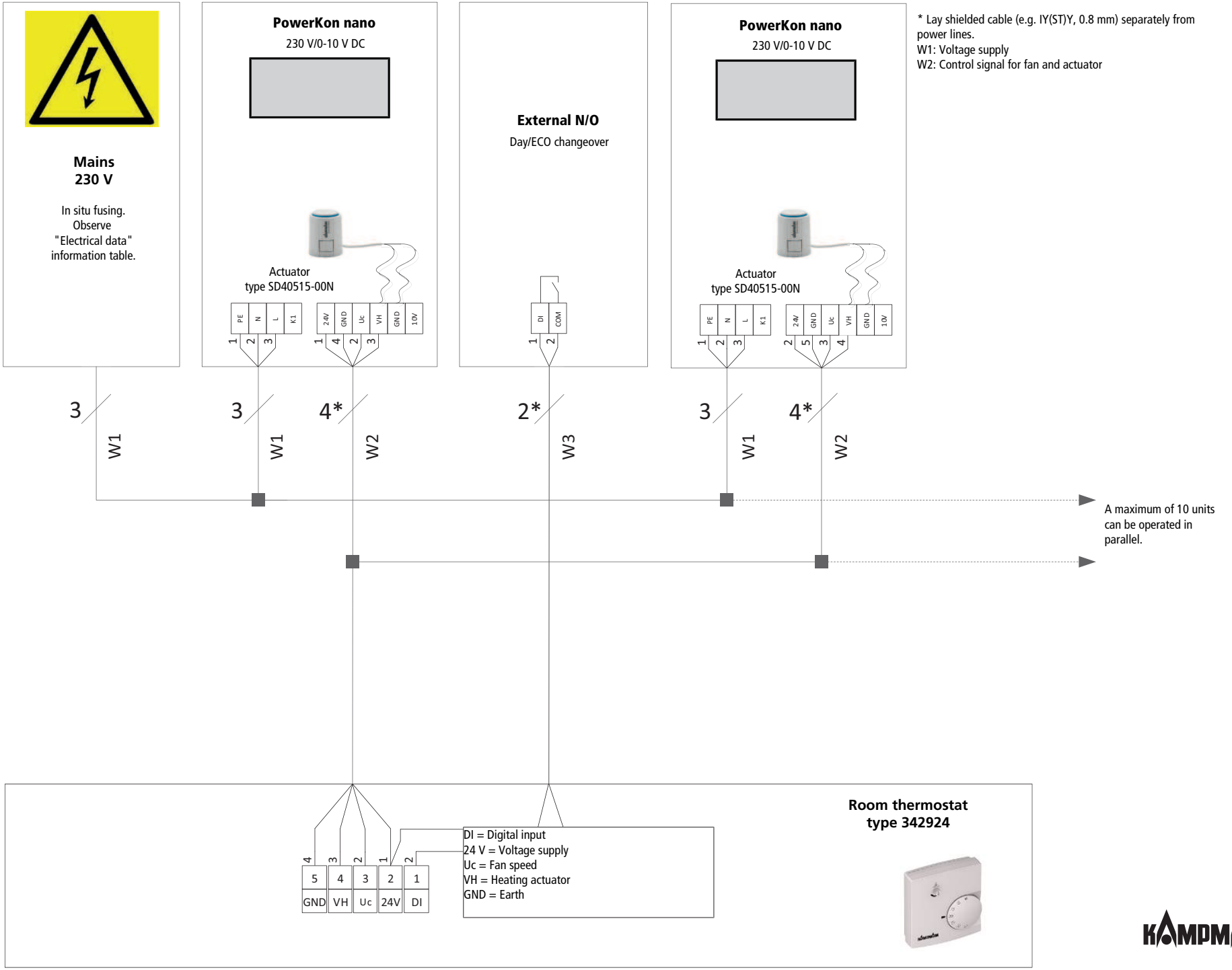


* Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
W1: Voltage supply
W2: Control signal for fan and actuator
W3: Operating mode changeover (optional)

Note these points in the following wiring diagrams for PowerKon nano with electromechanical control:

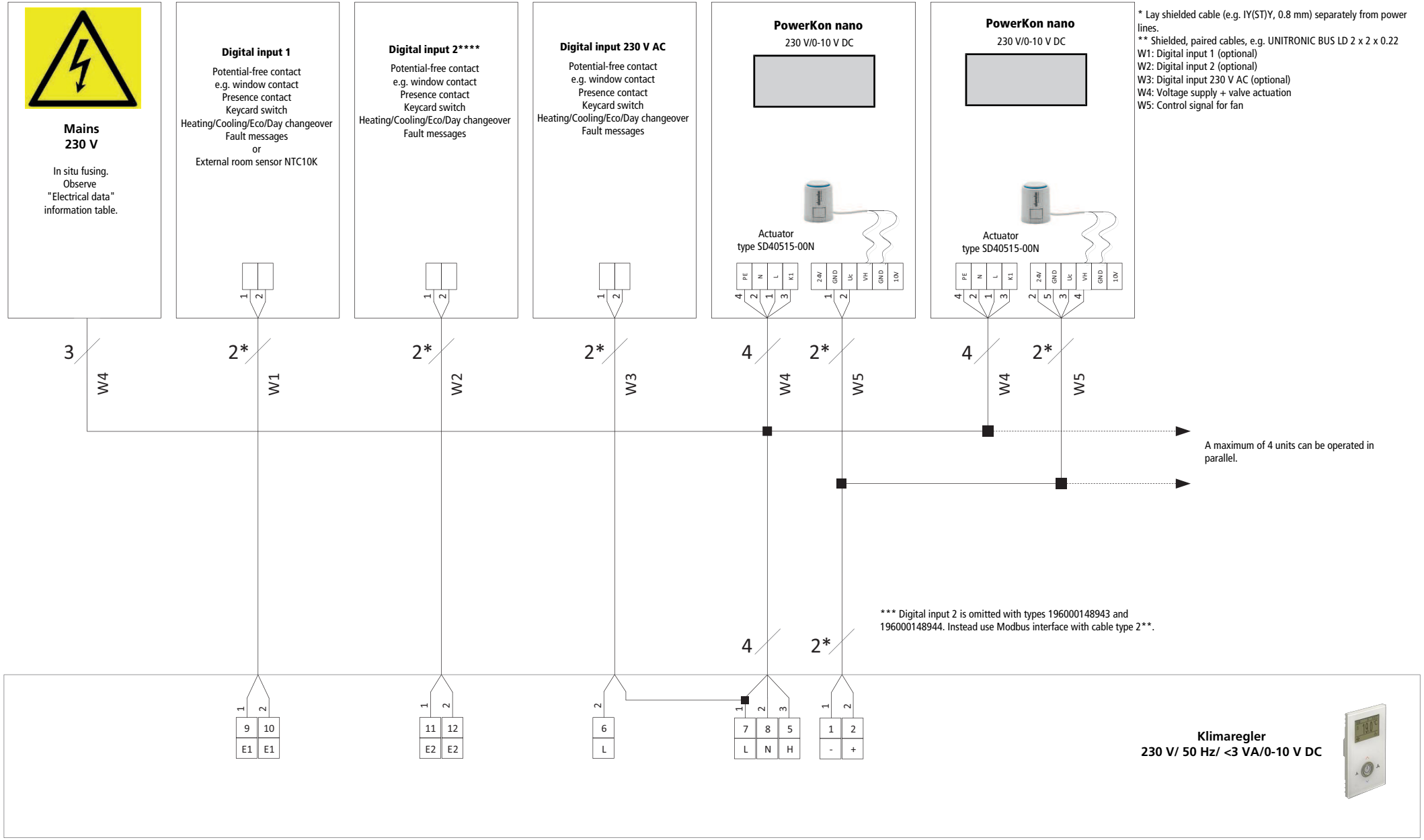
- Comply with the details on cable types and cabling with due consideration for VDE 0100.
- Without *: NYM-J. The requisite number of wires, including protective earth, is stated on the cable. Cross-sections are not stated, as the cable length is involved in the calculation of the cross-section.
- With *: J-Y(ST)Y 0.8mm. 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 mm^2.
- The electrical data need to be respected when rating the in situ mains power supply and fusing.

Cabling of PowerKon nano (*00), actuation by room thermostat type 342924



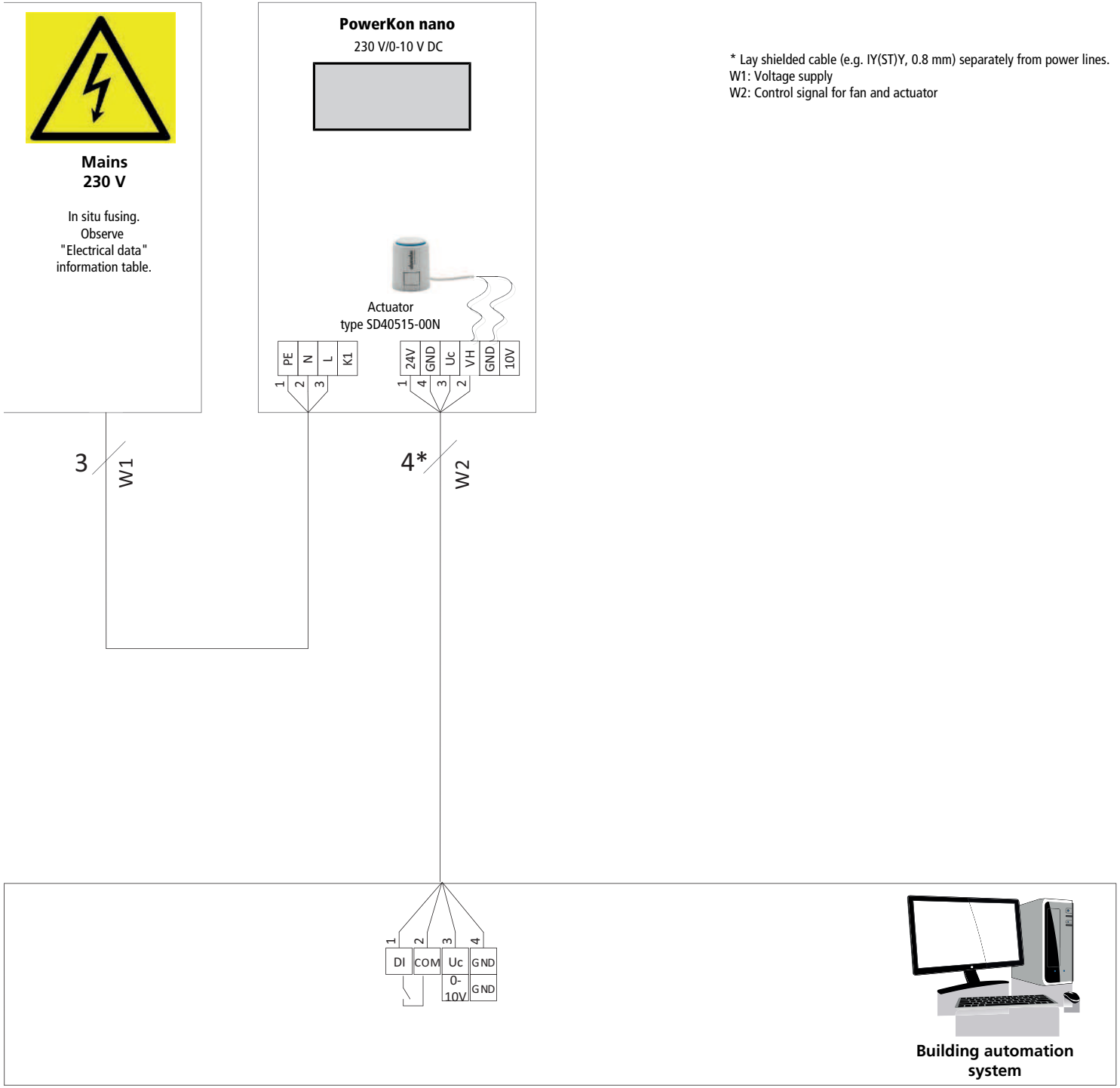
* Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
W1: Voltage supply
W2: Control signal for fan and actuator

Cabling of PowerKon nano (*00), actuation by Klimaregler type 14894x



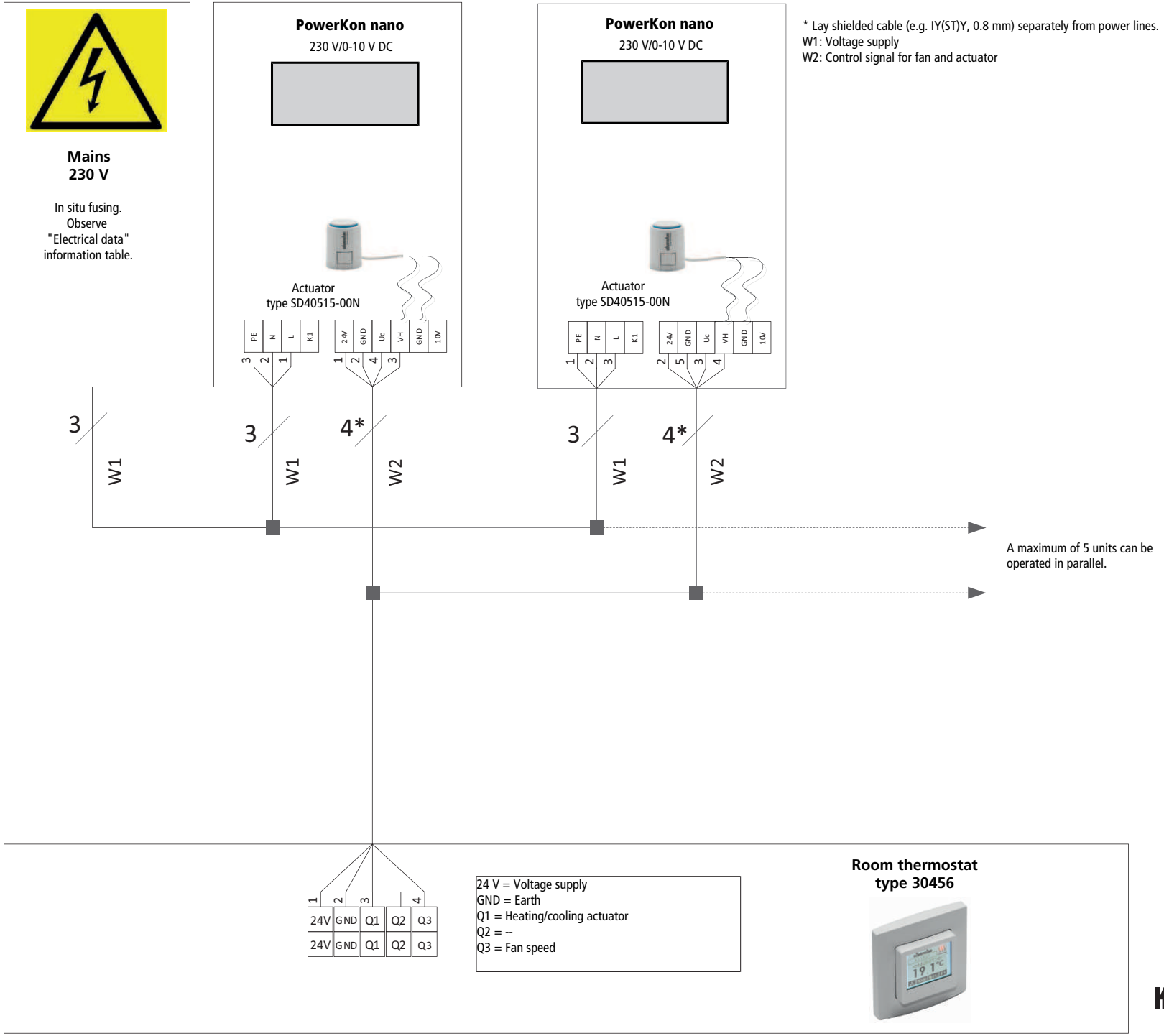
* Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
** Shielded, paired cables, e.g. UNITRONIC BUS LD 2 x 2 x 0.22
W1: Digital input 1 (optional)
W2: Digital input 2 (optional)
W3: Digital input 230 V AC (optional)
W4: Voltage supply + valve actuation
W5: Control signal for fan

Cabling of PowerKon nano (*00), 0-10 V DC actuation by BMS



* Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
W1: Voltage supply
W2: Control signal for fan and actuator

Cabling of PowerKon nano (*00), actuation by clock thermostat type 30456



* Lay shielded cable (e.g. IY(ST)Y, 0.8 mm) separately from power lines.
W1: Voltage supply
W2: Control signal for fan and actuator