



# Contactor Control

## Contactor Control for Electric Heaters Installation & Wiring Manual

Series codes: 203.11.352 – 203.11.354



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## Table of Contents

|                                              |
|----------------------------------------------|
| <b>1. Safety Warnings</b>                    |
| <b>2. Description &amp; Purpose</b>          |
| <b>3. Technical Data &amp; Product Codes</b> |
| <b>4. Model Selection</b>                    |
| <b>5. Electrical Connection</b>              |
| <b>6. Commissioning &amp; Checks</b>         |
| <b>7. Warranty &amp; Contact</b>             |

## 1. Safety Warnings

Read the following instructions carefully before installing and wiring the unit. The manufacturer accepts no liability for damage to the device, the environment, property or persons resulting from failure to observe them.

### WIRING BY A LICENSED ELECTRICIAN ONLY

Installation and electrical connection of the control may be carried out **only by a licensed electrician**. The device has not been designed for use by individuals (including children) with physical, sensory or mental disabilities, or who lack the necessary experience and knowledge, unless supervised or instructed by someone entrusted with their safety.

### NEVER OPEN THE BOX WHILE ENERGISED

**Never open the control box** without carefully disconnecting it from the mains and **securing the isolator against unintentional switching on**.

### INTERLOCK WITH THE FILTER PUMP — MANDATORY

The control must be **interlocked through the filter pump: it must not be possible to switch it on while the filter pump is off**. The manufacturer explicitly recommends this as **additional protection beyond the flow switch** — the flow switch alone is not enough.

## 2. Description & Purpose

The **Contactor Control** is a ready-made, **pre-wired** wall-mounted box that activates electric pool heaters. It switches the power through a performance contactor and contains the control circuit with a "heating on" lamp. The rated capacities are calculated for the operation of heating appliances (**category AC1**).



*Contactor Control — the 1.5 - 12 kW model shown*

- **Ready pre-wired** — connected directly, with no on-site assembly.
- **"Heating on" indicator lamp** as standard on every model.
- **Wall mounting**, protection rating **IP 54**.
- **Three models** according to heater output: 1.5-12 kW, 15-18 kW and 24 kW.
- The **flow switch**, the **control thermostat** and the **safety thermostat** of the heater are wired into the control circuit.

**Compatibility:** the controls are intended for the electric heaters of the **Classic, Evo, Ti (Full Titanium), Economy (Pressure Switch)** and **Neo** series. For correct heater operation, follow the wiring diagram **exactly**.

## 3. Technical Data & Product Codes

| Oxygen code | Range       | Max. output | Power voltage | Max. current |
|-------------|-------------|-------------|---------------|--------------|
| 203.11.352  | 1.5 – 12 kW | 12 kW       | 230/400 V     | 30 A         |
| 203.11.353  | 15 – 18 kW  | 18 kW       | 400 V         | 45 A         |
| 203.11.354  | 24 kW       | 24 kW       | 400 V         | 50 A         |

### Common series data

|                      |                          |
|----------------------|--------------------------|
| Control voltage      | 230 V                    |
| Frequency            | 50/60 Hz                 |
| Control-circuit fuse | 1 A slow-blow (T)        |
| Heating ON indicator | yes — "heating on" lamp  |
| Load category        | AC1 (heating appliances) |
| Protection rating    | IP 54                    |
| Mounting             | wall                     |
| Weight               | 0.9 kg                   |
| Packaging volume     | 0.006 m <sup>3</sup>     |

## 4. Model Selection

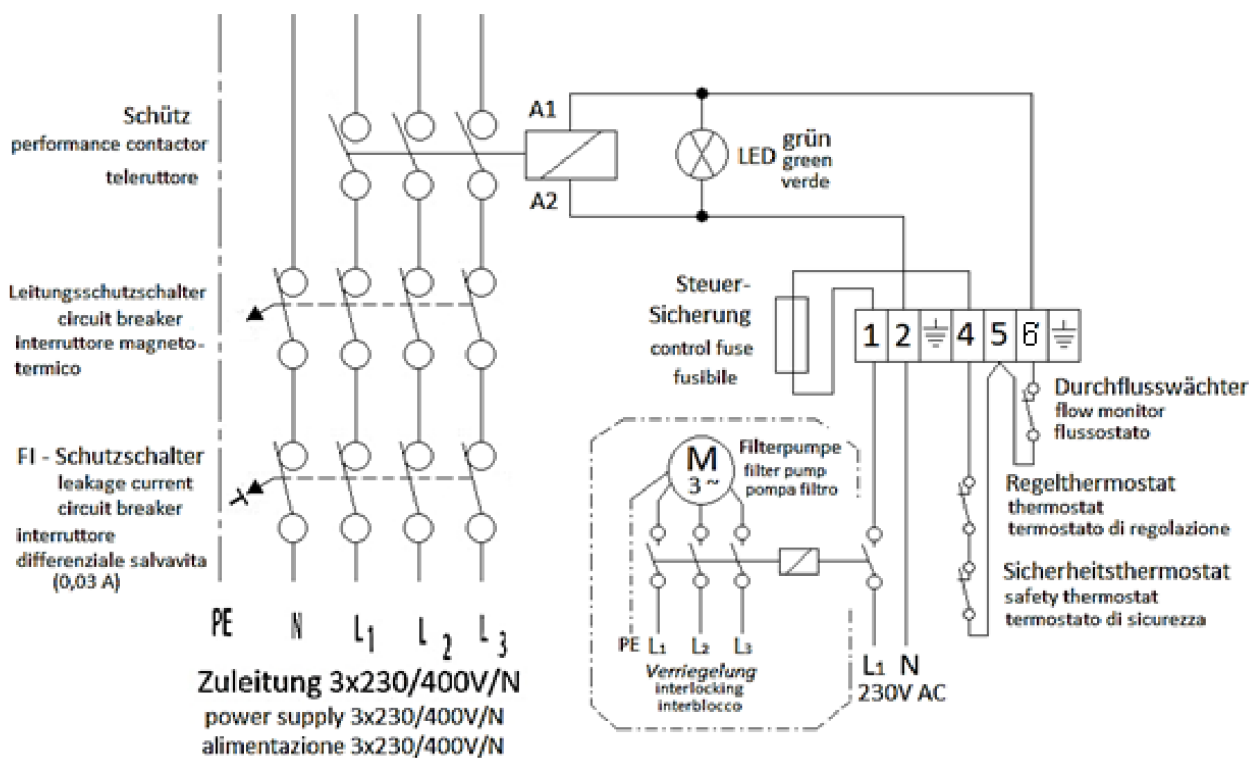
Select the control **by the electrical output of the heater**, not by the size of the pool.

| Heater output           | Control     | Oxygen code |
|-------------------------|-------------|-------------|
| 1.5 · 3 · 6 · 9 · 12 kW | 1.5 – 12 kW | 203.11.352  |
| 15 · 18 kW              | 15 – 18 kW  | 203.11.353  |
| up to 24 kW             | 24 kW       | 203.11.354  |

**Important:** the control must **never** be rated below the heater. Oxygen's D-EWT series tops out at **18 kW**; the 24 kW model is intended for larger installations.

## 5. Electrical Connection

- The supply line must be equipped with an **FI (RCD) 0.03 A** residual-current device and a circuit breaker.
- The control must be connected to the **ground wire**.
- Connection must be made to **permanently installed wiring** — not with a plug and socket.
- Use **H07 RN-F** cable.
- Observe **VDE 0100** for the cable cross-section.
- The control-circuit fuse is **1 A slow-blow (T)**.
- Wire the flow switch, the control thermostat and the safety thermostat to the terminals **exactly as shown in the diagram**.



**Note:** the manufacturer supplies the same diagram for all three models; only the rated currents of the contactor and the protective devices differ.

## 6. Commissioning & Checks

- Before commissioning, make sure the heater is **full of water** and the circuit is vented.
- Start the **filter pump** and confirm that without it the control **cannot** be switched on.
- The "**heating on**" lamp lights only when the contactor has pulled in and the heater is energised.
- Verify that the **safety thermostat** genuinely interrupts operation when tested.
- Test the residual-current device annually with its test button and check terminal tightness (with the unit de-energised).

## 7. Warranty & Contact

- The warranty covers defects in material and workmanship under normal use.
- The warranty **does not cover**: exceeding the rated output, a missing filter-pump interlock, incorrect wiring, moisture ingress through unsealed cable entries, or intervention by unauthorised personnel.
- Every warranty claim requires the purchase document and the product code.

### Contact Information

|                          |                                                      |
|--------------------------|------------------------------------------------------|
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### ISO Certifications

|                                                                 |                                                                 |                                                                     |
|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------|
| <b>ISO 9001:2015</b><br>Quality Management<br><i>EUROCERT</i>   | <b>ISO 14001:2015</b><br>Environmental Management<br><i>BQV</i> | <b>ISO 45001:2018</b><br>Occupational Health & Safety<br><i>BQV</i> |
| <b>ISO 22301:2019</b><br>Business Continuity<br><i>EUROCERT</i> | <b>ISO 46001:2019</b><br>Water Efficiency<br><i>BQV</i>         |                                                                     |

Recycling of materials must be carried out in accordance with applicable regulations.