

## Safety instructions

To avoid any danger of electrocution, the housing must never be removed nor opened at the back. There are no parts inside that can be serviced by the user himself. Leave the servicing to the experts! To avoid a fire or electrocution the appliance must not get wet nor be exposed to rain.

1. **Advice:** Read all safety instructions and all items in the user manual, before using the controller for the first time! Keep the safety instructions and the user manual in a safe place in case you need to refer back to them at a later date!
2. **Installation instructions:** Always make sure that the appliance is installed by an authorized and experienced specialist. Please follow the specific safety instructions as well as the VDE guidelines during installation. The appliance should only be fitted in an approved and specifically designed waterproof switching cabinet (metal housing) and should only be used for the purpose it was designed for and within the limits of its technical data.

**We recommend that any down-stream inductors (relays, contactors, signal transmitters, valves etc.) with RC elements should be checked for interference. These are available on the retail market (e.g. Siemens 3 RT1916, Klöckner-Moeller, etc.).**

**With for 230V/AC devices (e.g. MIC900, MIC1100, MIC3000) particular attention must be paid to functional-equipotential bonding which must be checked and guaranteed when converting old devices.**

3. **Analogue in- and outputs:** Do not apply separate source voltage to the in- and outputs (4-20mA / 0-10V and Pt100).

**Sensor leads: The leads for the sensors should be run separately from any voltage carrying leads, this also includes control wires carrying separate source voltage. It is vitally important that the sensor leads have a metal shielding and that this shielding is connected to the sensor housing itself.**

4. **Relay outputs:** The relay outputs are potential free and the maximal load of 250V AC and 4A must not be overshot.
5. **Water and humidity:** Never use the unprotected appliance near water, e.g. near a bath tub, water basin, sink, washing machine, in damp cellar or near a swimming pool. The appliance is only waterproof on the front (according to the control IP65 or IP67). The back and side panels must not come into contact with water.
6. **Ventilation:** The appliance must have sufficient ventilation, the ventilation slits in the housing must never be covered up, or blocked by objects that may have been inserted into the slits.
7. **The effects of heat:** Keep the appliance away from heat sources, like radiators, heating conduits, ovens, and other elements that may radiate heat.
8. **Energy sources:** The appliance should only be connected to the power sources that are specified in the user manual or on the appliance housing itself.
9. **Cleaning:** Clean the display and the operator interface only with a damp, soft and clean cloth without any chemical and mechanical substances. Do not use sharp-edged tools or pointed objects or other mechanical aids.
10. **Appliance not in use:** When you know the appliance is not going to be used for a longer period of time, it should be disconnected from the mains.
11. **Contaminants:** You have to be extremely careful that neither liquids nor foreign objects can get into the appliance through the openings in the housing. If objects or liquids have contaminated the inside of the appliance, it has to be disconnected and sent in to the manufacturer immediately.

12. **Servicing after damage:** The appliance may only be serviced by a qualified specialist. The user should only do the servicing tasks he is meant to do according to the user manual. For servicing that exceed his authority, he should always contract a specialist.
13. **Please note: Never make any technical alterations to the appliances,** unless they were specifically approved by aditec GmbH. **Unauthorized alterations will invalidate your warranty.**

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