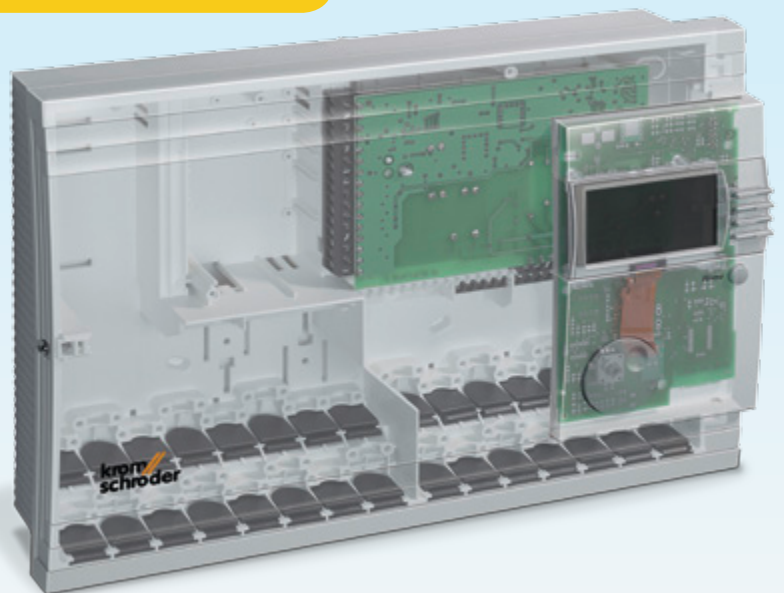


Control and regulating unit Merlin 5064

Product brochure · GB

10 Edition 03.11



- Digital system controller for wall mounting
- Configuration at the factory for various types of heating system
- Suitable for controlling boiler cascade systems, heat pumps or multivalent systems
- Combined management of heat pumps and solar systems
- Detachable control panel on Merlin 5064 V4 can be used as room control unit
- Calendar function with summertime/wintertime switchover for extra convenience
- Simple operation thanks to clearly structured menus with illuminated display and multilingual plain-text display
- Clearly structured connection chamber for simple electrical connection



For easy installation and wiring, the upper section of the housing can be opened.



The operation-control module of the Merlin 5064 V4 can be removed and installed in the living room using the base supplied.

Application

The compact control and regulating units Merlin 5064 V3 and Merlin 5064 V4 afford the advantage of combining various open-loop and closed-loop control functions.

In addition to the weather-dependent control of the boiler and the heating circuits, it is also possible to control the sanitary hot-water supply.

The control and regulating unit Merlin 5064 has the appropriate control algorithms for special applications, such as fixed value control or swimming pool water heating.

Merlin 5064 V3 is equipped with two auxiliary relays to which a whole host of functions can be assigned. These functions can be controlled by a time program or be dependent on the temperature using an appropriate sensor input.

Up to four heat generators can be controlled directly from the control and regulating unit Merlin 5064 V4. Various energy sources, such as heat pumps and solar systems, can be combined. Thanks to an optional priority circuit for renewable energies, the energy sources can be utilized to their full potential.

Technical data

Supply voltage pursuant to IEC 38:
230 V AC, -/+ 10%, 50/60 Hz.

Switching capacity of the relays:
2 (2) A, 250 V AC.

Power consumption: approx. 8 VA.

Power reserve of the timer:
min. 10 hours.

Enclosure: IP 40 pursuant to DIN 40 050.

Safety class: II, safety extra low voltage to EN 60539.

Ambient temperature:
operation: 0 to +50°C,
storage: -20 to +60°C,
permitted relative humidity:
95%, non-condensing.

Permitted burst voltage coupling to sensor or mains cables: max. 4 kV.

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