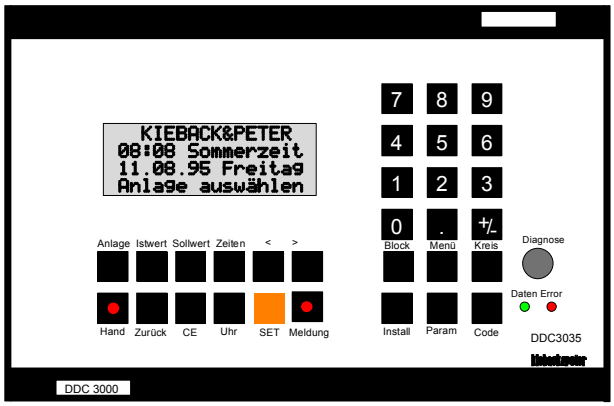
DDC3035 DDC Central Control Unit



Basic functions

- DDC Central Control Unit for closed- and open-loop control, optimization, and monitoring functions in connection with the DDC-single-room regulators EZR
- manual operator control level with push-buttons and illuminated LCD display
- direct connection 2 binary inputs, 2 binary outputs
- direct connection to BMS Central Control Station or modem connection
- DDC-single-room central control station for autark DDC-single-room regulator EZR
- spatial separation to 1000m
- DDC Central Control Unit DDC3035 administers up to 124 DDC-single-room regulators EZR
- DDC-single-room regulator EZR are used in heating, ventilation and air-conditioning
- Connection for window contacts, presence detector, room sensor, setpoint adjuster on every DDC-single-room regulator EZR
- Functional expansion with DDC software menus, time programs
- up to 99 DDC Central Control Units in the bidirectional data exchange (peer-to-peer)
- Permanent system monitoring of the bus communication and all connected DDC components
- customized plaintexts possible for every parameter
- error/malfunction message memory, event log with date and time
- automatic summer / winter time switching
- interactive dialog in the plaintext for the query and entry of the DDC data, such as current values, setpoints and times
- complete operation of the entire DDC System from every connected DDC Central Control Unit (Remote Control) without additional equipment

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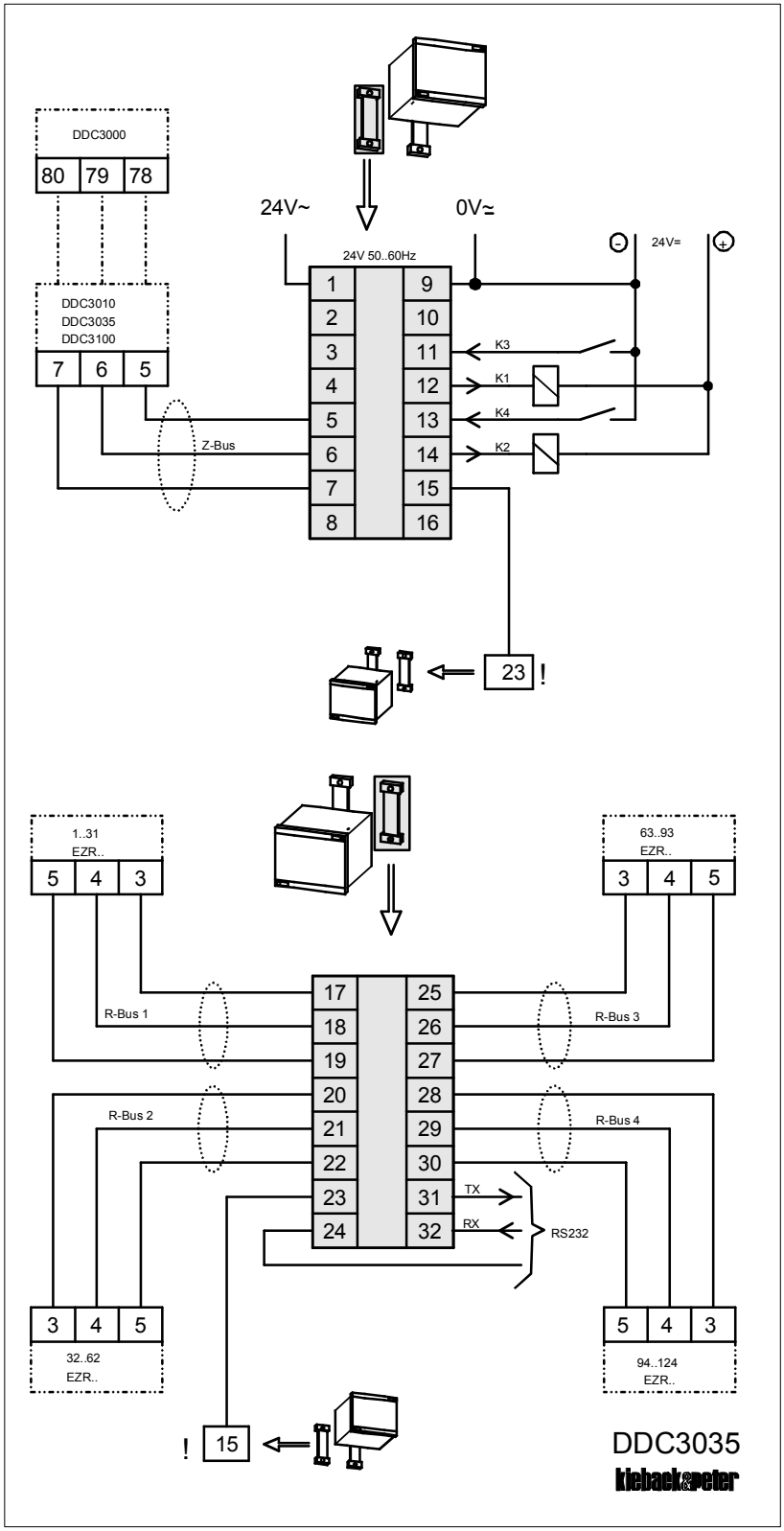
Technical data

Bus connection	Central Control Unit Bus; Z-Bus	99 DDC3000 Central Control Units; 1000m, 3000m with drivers; 100kBaud
	room bus 1	31 DDC-single-room regulator EZR (addresses 001 to 031)
	room bus 2	31 DDC-single-room regulator EZR (addresses 032 to 062)
	room bus 3	31 DDC-single-room regulator EZR (addresses 063 to 093)
	room bus 4	31 DDC-single-room regulator EZR (addresses 094 to 124)
interfaces	serial RS232	building management system BMS, modem, printer
	diagnostic jack	code key; device diagnosis
inputs and outputs	2 binary inputs BE	zero-voltage contact 5mA against 24VDC (max.250Ω)
	2 binary outputs BA	Transistor output max. 50mA, 24V DC
operating voltage	for DDC Central Control Unit	24V AC ±10%; 50..60Hz; 8,0VA; 0.34A
	for inputs and outputs	24V DC +/-10%
fuses	mains fuse, M 1,0A	
address switch	00 .. 99 with 2 turning knobs; 1..6, 11..16, 21..26, ..., 91..96 usable (behind the front panel)	
displays	4x 20-character illuminated LCD, LED bus, LED Error	
switch / push-button	30 push-buttons	
processor	68302; 32 Bit; 16MHz	
memory	1MByte RAM; 2MByte EPROM	
operating system	PSOS 1.20; programming language C; realtime-capable; multitask-capable	
power failure data backup	10 years, battery-buffered clock component	
deg.enclosure protection	IP40	
ambient temperature	0..45°C	
ambient humidity	in operation: 20..80%rF, non-condensing shut down: 5..90%rF, non-condensing	
enclosure	19" short cassette of plastic, 4-fold cassette with 2 plug-in bases B x H x T ; 202mm x 132mm x 137mm	
front panel section	200.4mm x 112.0mm	
weight	2.300 kg	
identification	CE	

Device description **DDC3035 DDC Central Control Unit**

Wiring diagram



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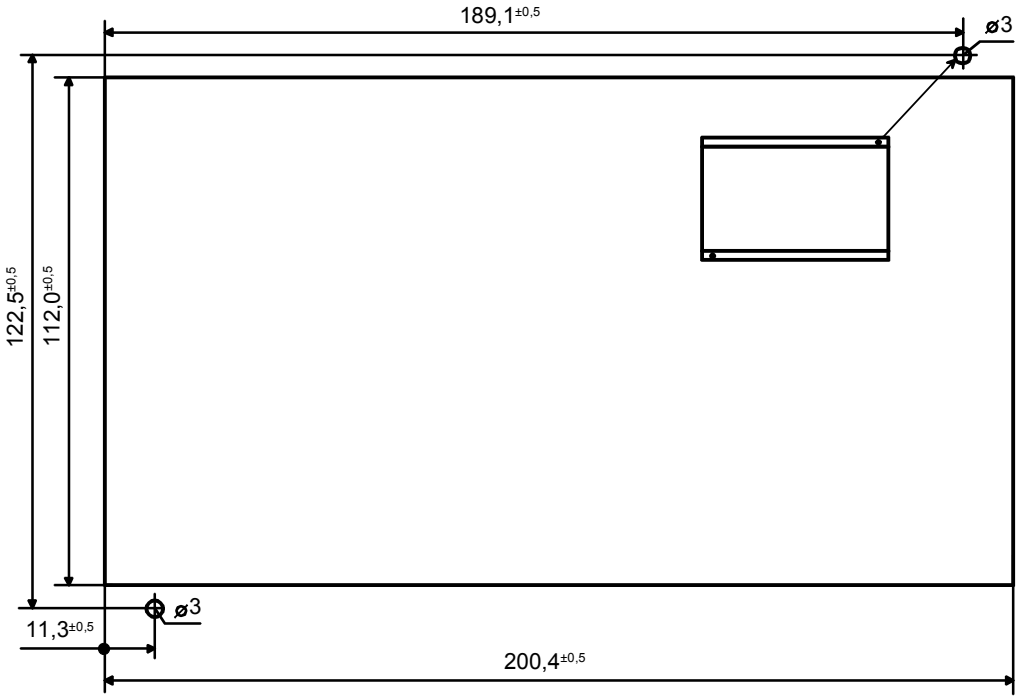
Mounting dimensions



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