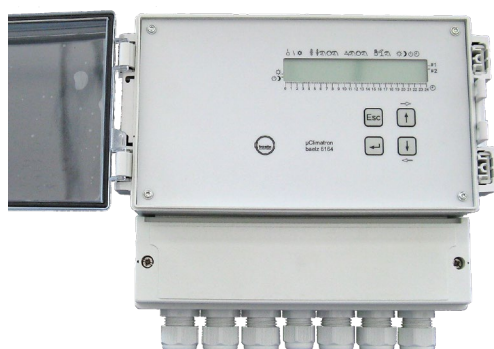




baelz 6164B-W2



baelz 6164B

baelz 6164B

MICROPROCESSOR COMPACT CONTROLLER

for temperature control in heating systems.

Microprocessor compact controllers µClimatron baelz 6164B / 6164B-W2 are used to regulate the feed temperature depending on the outside temperature as required.

ADVANTAGES AT A GLANCE

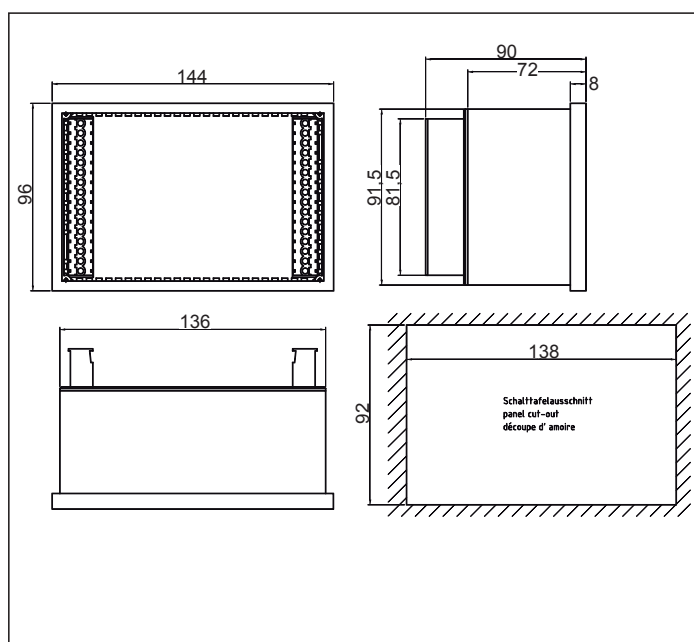
- as three-point step/three-point/two-point or continuous controller with analog output 0/2 ... 10V
- constant setpoint or heating curve with 5 coordinating points
- simple configuration, operation and parameterization with only 4 buttons & LCD display
- pump blocking protection
- Legionella protection function
- boiler charging function
- jet control (for jet pumps)
- sensor monitoring
- switching time deferral depending on the outside temperature
- suitable for hot water or steam systems (starting circuit)

Specifications microprocessor compact controller µClimatron baelz 6164B / 6164B-W2 / 6164B-W2-SM

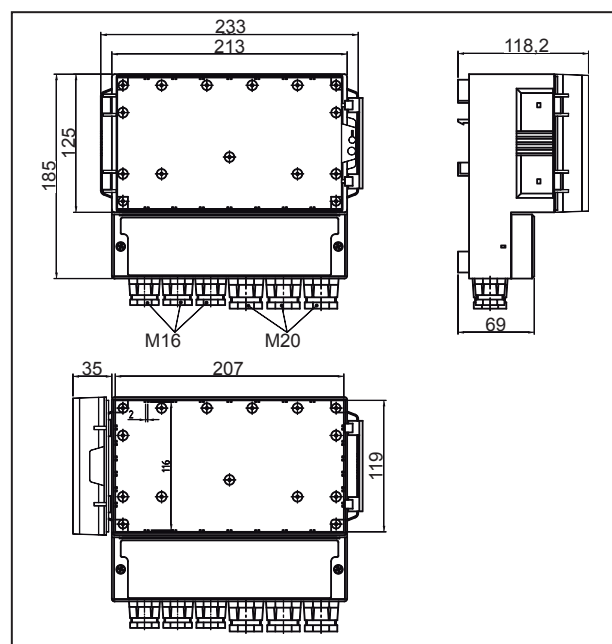
	6164B	6164B-W2	6164B-W2-SM
Control loops/circuits	max. 2		
Controller type	Three-point step/three-point/two-point or continuous controller		Continuous controller
Analog inputs	5: PT100 (measuring range: -40°C ... + 120°C)		5: 3 x PT1000; 2 x PT100
	NTC, 0/4 ... 20 mA, Re = 5.9 Ω; 0/2 ... 10 V, Re = 160 kΩ, Potentiometer selectable		
Analog outputs	2x (0/2...10V), I _{max} = 5 mA		
Digital inputs	2		
Digital outputs	6x relays		2 x relays
Digital input and transducer supply voltage	24 V DC, I _{max} = 14 mA		
Connection	Screw-type terminals		
Interface	RS485 Modbus-RTU		
Display	LCD with backlight 2x24 characters		
Mounting	Panel front installation	Wall-mounted housing (also suitable for DIN rail mounting)	
Housing	plastic	Plastic housing with transparent door (optionally lockable)	
Dimensions WxHxD (mm)	144 x 96 x 90	233 x 185 x 118	
Ingress protection rating	IP 55 (front)	IP 65	
Power supply	230 V / (special voltages on request: 115 V / 24 V), 50/60 Hz		
Cable glands	-	6 x M20 x 1,5, 1 x M16 x 1,5	6 x M20 x 1,5, 2 x M16 x 1,5
Weight. approx. (kg)	0,7	1.5	
Ambient temperature (°C)	0...50		
Ambient humidity	5...90% rel. hum. (non-condensing)		

Note:

- baelz 6164B-W2-SM suitable for Hydropilot baelz 141-OV
- Standard software (included in the price) available in: German, Danish, English, Flemish, French, Italian, Dutch
- Software for control technology, see baelz 4614, software for remote control, see baelz 4615-WinBasTools, WinBasTools-Par
- Adapter for switch cabinet interior installation available

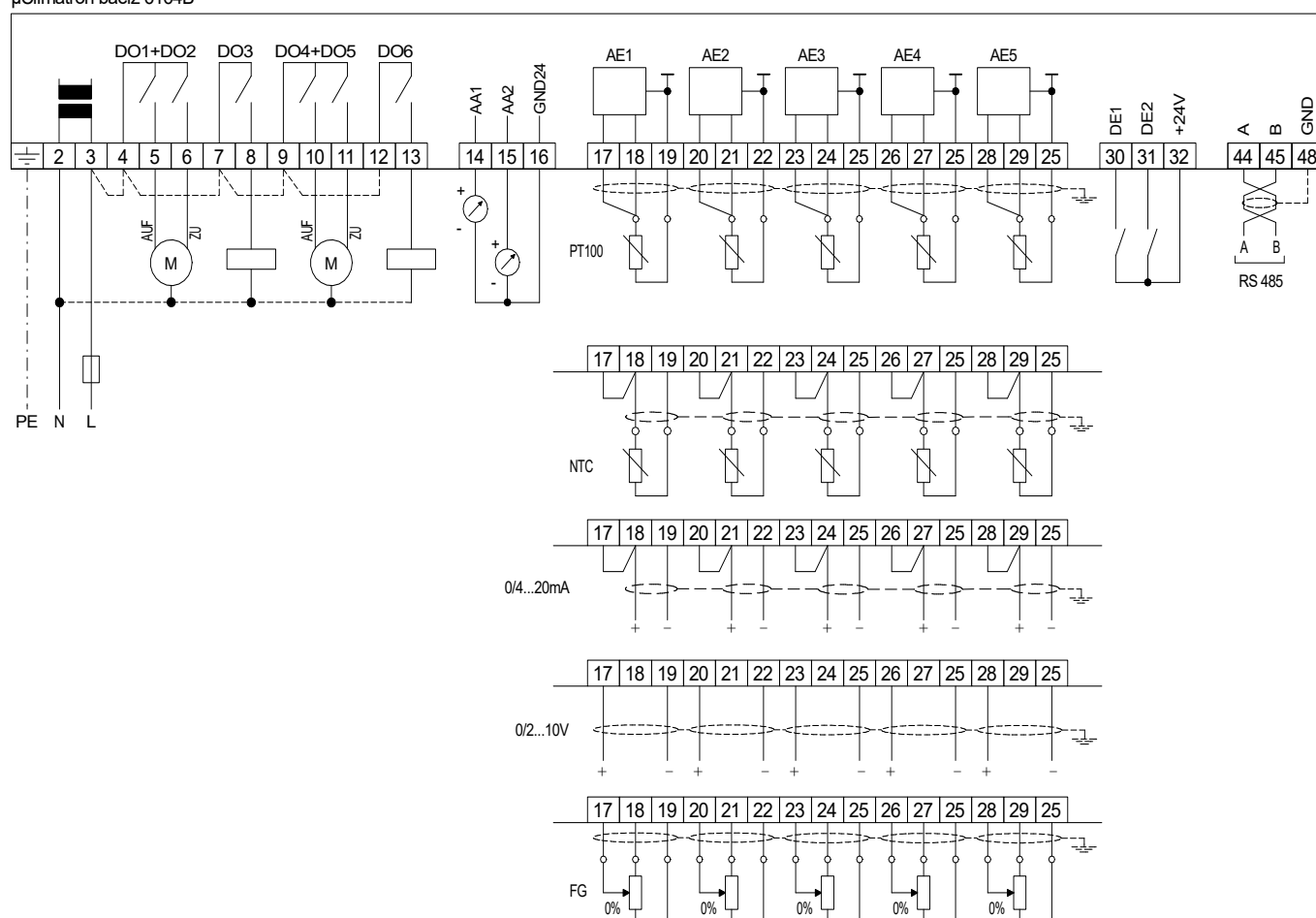


Dimensions 6164B, Panel controller



Dimensions 6164B-W2, wall-mounted unit

µClimatron baelz 6164B



Example of a connection diagram: 6164B, Panel controller