

HEATING CONTROLLER

PROMATIC® D20

NEW!


GB

INTRODUCTION



PROMATIC D20 is an high efficient weather compensated controller, capable to control various heating systems.

It is very simple and easy too set up, with three steps:

- Step 1: Language - twelve languages,
- Step 2: Scheme selection,
- Step 3: Setting the heating curve.

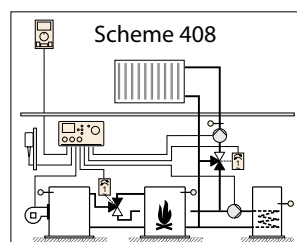
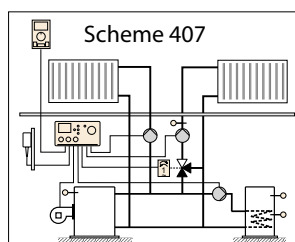
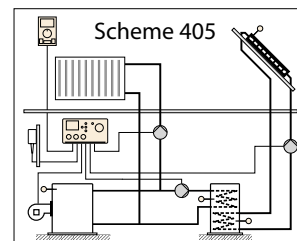
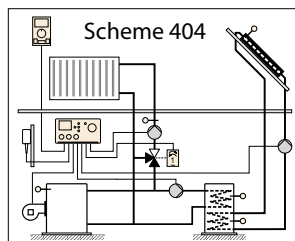
PROMATIC D20 is used for room heating and domestic hot water warming. It is capable to control floor, radiator or convector heating systems. Domestic hot water can be warmed by a boiler and by solar collectors. The PROMATIC D20 controller is intended for systems with liquid fuel boilers or for systems with a combination of liquid and solid fuel boiler or other alternative heat sources. PROMATIC D20 can be mounted on the wall with the H1 case or onto the boiler panel with the H2 system

FEATURES

- weather compensated control of the heating system
- control of a direct and an indirect heating circuit
- control of domestic hot water warming with boiler and solar collectors or with electric heater
- automatic switching between two heat sources
- independent weekly time program for room heating and domestic hot water warming
- anti-legionaire's disease program for domestic hot water
- limitation of maximum water temperature in floor heating systems
- automatic winter / summer switch-over
- frost protection
- circulation pump for domestic hot water
- automatic heating characteristic optimization by means of the digital room unit DD2
- minimum and maximum boiler temperature protection for liquid and solid fuel boiler
- anti-blocking program for circulation pumps and mixing valves
- optional BUS connection with additional controllers D10, D20 or CMP
- error diagnostics and automatic switch-over to an alternative heating mode

APPLICATIONS

This application shows only the most common examples of use of PROMATIC D20 controllers

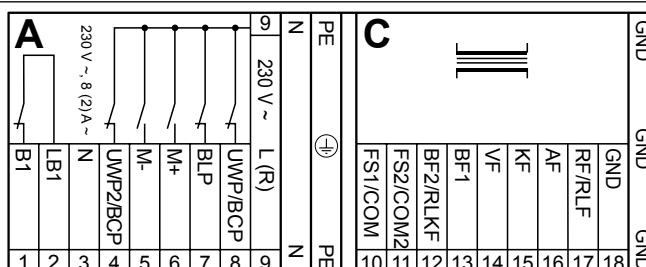


HEATING CONTROLLER PROMATIC® D20

SPECIFICATIONS

Supply voltage:	230 V ~ / 50 Hz, ± 10 %
Power consumption:	max 5 VA
Max. output load (UWP, BLP):	230 V ~ / 8 (2) A
Measures (l × w × h):	92 × 173 × 96 [mm]
Weight:	910 g
Colour / Material:	gray / ABS
Degree of Protection:	IP41 acc. to EN 60529
Operation type:	Type 1B acc. to EN 60730-1
Operating temperature range:	0 °C ÷ +40 °C
Storage temperature:	-20 °C ÷ +70 °C
Day temperature setting range:	12 °C ÷ 28 °C
Night temperature setting range:	8 °C ÷ 24 °C
Domestic hot water temp. setting range:	OFF, 30 °C ÷ 70 °C, ON
Min. boiler temperature setting range:	20 °C ÷ 70 °C
Heat curve setting range:	0.4 ÷ 2.2
Min. boiler-return water temp. setting range:	10 °C ÷ 90 °C
Max. stand-pipe temperature setting range:	20 °C ÷ 150 °C
Frost protection temp. set point:	+ 2 °C
P-zone range:	± 0.5 K ÷ ± 1.5 K
Temperature sensor type:	Pt1000 or KTY 10-5
Program timer:	digital multi-channel program timer
Timer supply voltage:	Button cell battery: CR2032 (Li-Mn) 3V
Timer accuracy:	± 1 s / 24 h by 20 °C
Mixing valve control:	PI-controller with 3-point output
Boiler control:	Hysteresis thermostat
Domestic hot water control:	Hysteresis thermostat with differential condition

WIRING



CONFORMITY

with directives and standards

Seltron d.o.o. declares, under full responsibility, that the PROMATIC D20 heating controller meets the requirements and rules for the electrical equipment designed for use within certain voltage limits (EC Low Voltage Directive (LVD) 73/23/EEC, 93/68/EEC) as well as the requirements and rules for the electromagnetic compatibility (EMC) (EC Directive For Electromagnetic Compatibility 89/336/EEC, 92/31/EEC, 93/68/EEC, 99/5/EEC).

PRODUCT DESCRIPTION:

Heating controller PROMATIC D20

APPLIED STANDARDS:

EN 50081-1:1995, EN 50082-1:1995, EN 55014-1:2001,
EN 55014-2:1997, EN 60730-1:1995, EN 60730-2-9:1997,
EN 12098-1:2002.



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