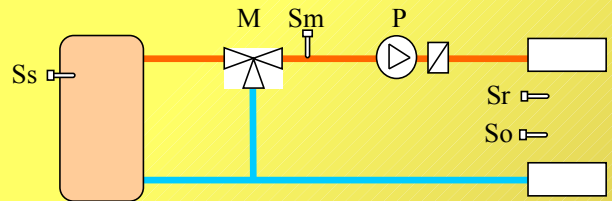


It is designed for weather-compensated control the temperature of the heating medium via mixing valve according to the outside temperature and the set curve. Another function is the control of the heating pump on the weekly program in order to ensure the required comfort in a regulated facility. Through an integrated timer can automatically switch on night-saving operation.

To increase operator comfort it is possible to connect it to a PC or the Internet.



Block diagram of the controlled system.

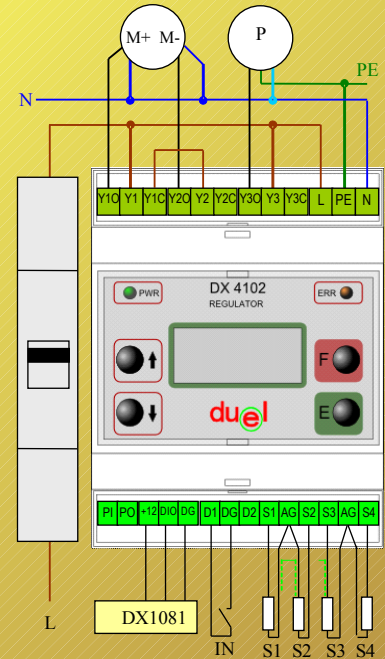
Sm – heating medium sensor, Sr – reference room sensor, So – outdoor sensor, Ss – source temperature sensor
M – mixing valve, P – pump

- Significant reduction in heating costs
- Automatic operation
- Easy operation
- Connection to the PC and the Internet
- Antifreeze protection
- Reliability

Recommended electrical diagram.

S1- outdoor sensor
S2 - heating medium sensor
S3 – reference room sensor
S4 – source sensor

P – pump
M – mixing valve



Technical data

Supply voltage	230 V
Measurement range	-25 ÷ 170 °C
Measurement accuracy	± 1,5 K
Typ of sesors	DX1083, DX1112
Number of inputs	5
Number of outputs	3
Max. output load	1A
Communication	active 20mA current loop

Operating conditions

Ambient temperature	5 ÷ 50 °C
Relative humidity max.	80% pri 30 °C
Air pressure	70 ÷ 106 kPa

