Configuration diagram RMK770

Plant type K

Maximum configuration:

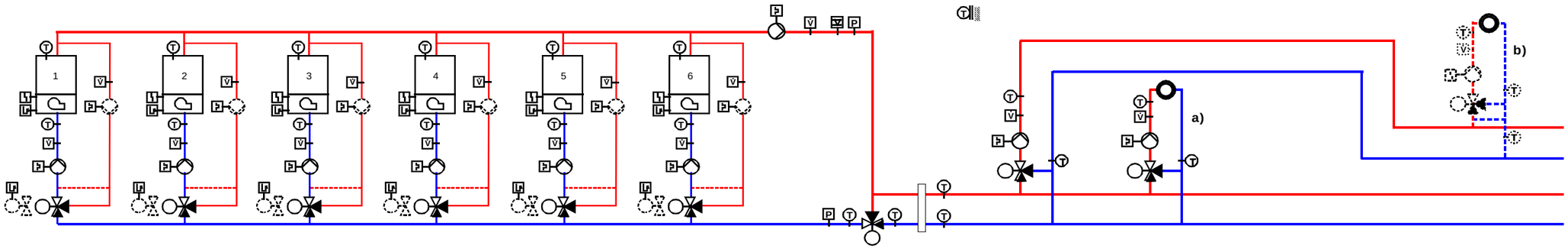
- ☐ 3 Option module (⊠)
- a,b) 1 Heating circuit with heat requisition acting on main distributor or primary controller
- 1) 7 Single- or twin pumps
- 2) 7 Control outputs (DC 0...10 V or 3-Positioning)
- 3P 3-Positioning output in pairs Q1/Q2, Q3/Q4, Q5/Q6

Capital letter = Physical in- or output
X = Universal input
Y = Analog Output
Q = Relay-Output

Samll-letter = internal signal
x = analog oder digital
a = analog
d = digital

to do a configuration
▼ = from
↑ = to
From Capital letter to Capital letter
From small letter to small letter

○ = Or-selection
☐ = And-selection
= Fault
= Feedback



RMK770 | ☐RMZ789 (1) | ☐RMZ789 (2) | ☐RMZ789 (3) | ☐RMZ785 (1) | ☐RMZ787 (1) | ☐RMZ788 (1) | ☐RMZ785 (2) | ☐RMZ787 (2) | ☐RMZ788 (2)

N.X1 N.X2 N.X3 N.X4 N.X5 N.X6 N.X7 N.X8 N.D1 dig.1 N.D2 dig.1

A9.X1 A9.X2 A9.X3 A9.X4 A9.X5 A9.X6

A9.X1 A9.X2 A9.X3 A9.X4 A9.X5 A9.X6

A9.X1 A9.X2 A9.X3 A9.X4 A9.X5 A9.X6

A5.X1 A5.X2 A5.X3 A5.X4 A5.X5 A5.X6 A5.X7 A5.X8

A7.X1 A7.X2 A7.X3 A7.X4

A8.X1 A8.X2 A8.X3 A8.X4

A5.X1 A5.X2 A5.X3 A5.X4 A5.X5 A5.X6 A5.X7 A5.X8

A7.X1 A7.X2 A7.X3 A7.X4

A8.X1 A8.X2 A8.X3 A8.X4

Autonom

Boiler sequence manager
Main flow, Main return, MBRT return, Consumer return, Release, (Water shortage) 1, (Overpressure) 2, (Underpressure) 3, Boiler-sequence selection, Main pump, DC 0...10 V, Constant, DHW, Frost prot., Heat requis., Maint boiler return temp, 1) B, 2) open close 0...10 V, Q Q 3P Y

Miscellaneous
Outside, Special day, Holiday, Display 1, Display 2, Display 3, Display 4
Time switch Off On
Q

Primary controller
Flow, Return, System pump, DC 0...10 V, Constant, DHW, Frost prot., Heat requis.
Return temp. limit min max
1) B, 2) open close 0...10 V, Q Q 3P Y

☐ Heating circuit
Flow, Room, Return, Heating circuit pump, Room abs., Room rel, Operating mode, Timer
Heat requis. acting on Main distributor a) Primary controller b)
Return temp limit min max
1) B, 2) open close 0...10 V, Q Q 3P Y

Faults
1 2 3 4
Relay 1 Relay 2
Q Q

Heat requis. [%]
Heat req. [%] acting on Main distributor Primary controller

Boiler 1 | Boiler 2 | Boiler 3 | Boiler 4 | Boiler 5 | Boiler 6
Boiler, Return, Release, Burner, Shutoff valve, Flue gas, Flue gas mode, Curr burner outp, Burner, (Water shortage) 1, (Overpressure) 2, (Underpressure) 3, Boiler-pump, Individual operation
Stage, Modulating, MBRT
1...2, 2) open close 0...10 V, Setpoint comp., 1), Shutoff valve, 2) open close 0...10 V
Q Q 3P Y Q Q Q 3P Y

N.Y1 N.Y2 | N.Q1 N.Q2 | N.Q3 N.Q4 | N.Q5 N.Q6 | N.Q7

A9.Y1 A9.Y2 | A9.Q1 A9.Q2 | A9.Q3 A9.Q4

A9.Y1 A9.Y2 | A9.Q1 A9.Q2 | A9.Q3 A9.Q4

A9.Y1 A9.Y2 | A9.Q1 A9.Q2 | A9.Q3 A9.Q4

A7.Q1 A7.Q2 | A7.Q3 A7.Q5

A8.Y1 A8.Y2 | A8.Q1 A8.Q5

A7.Q1 A7.Q2 | A7.Q3 A7.Q5

A8.Y1 A8.Y2 | A8.Q1 A8.Q5

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