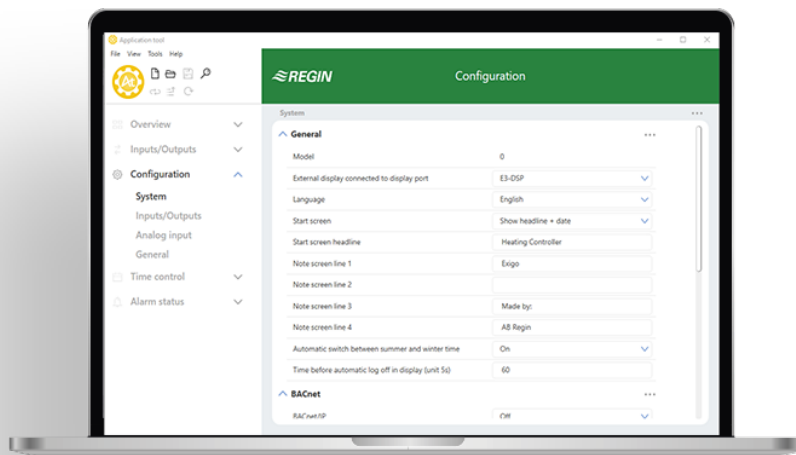# Exigo 4.3
Predefined examples

There are predefined examples available for easy configuration. They can be selected in the internal or external text display or can be downloaded as atf-files on Regin's webpage.

The atf-files can be used in Application tool for further offline modification and adaption.

The predefined examples are a part of Regin's Ready-Steady-Go concept which makes it much easier and faster to configure the controller.

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Examples for

Examples for
Ardo-controllers with 15 and 28 IO's

Example 001

Function description: Mixed Heating system 1 (continuous)

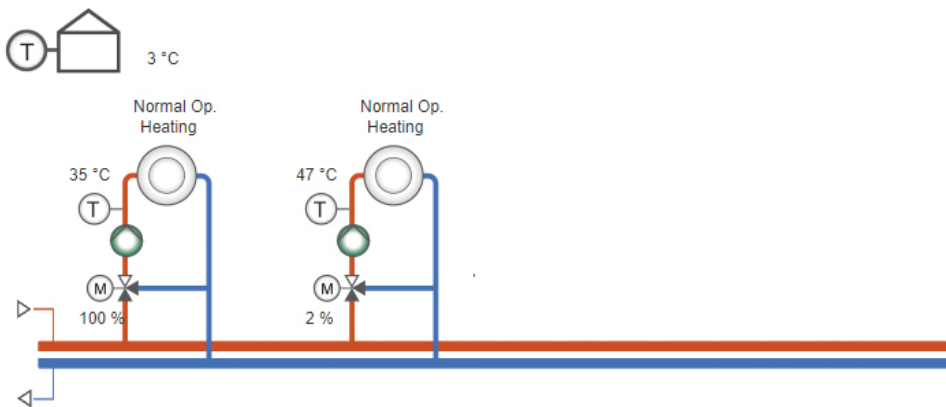|				
	G			
	G0		P1 B	
	Gnd		P1 A	
	+C		P1 N	
	Gdo		P1 E	
HS1 pump A	DO1		P2 B	
	DO2		P2 A	
	DO3		P2 N	
	DO4		P2 E	
	DO5			
	DO6		Ext D	
	DO7			
	Agnd		DI1	
Outdoor temperature	AI1		DI2	
HS1 Supply temp.	AI2		DI3	
	Agnd		DI4	
	AI3		DI5	
	AI4		DI6	
	Agnd		DI7	
	UI1		DI8	
	UI2		Agnd	
	Agnd		AO1	HS1 Valve
	UI3		AO2	
	UI4		AO3	
			AO4	
	TCP		AO5	

Terminal connection

Available for: HCA152W-4, HCA152DW-4, HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file: 001_HCAxxxxx_HSco

Example 002

Function description: Mixed Heating system 1 (continuous), Mixed Heating system 2 (continuous)

Terminal connection

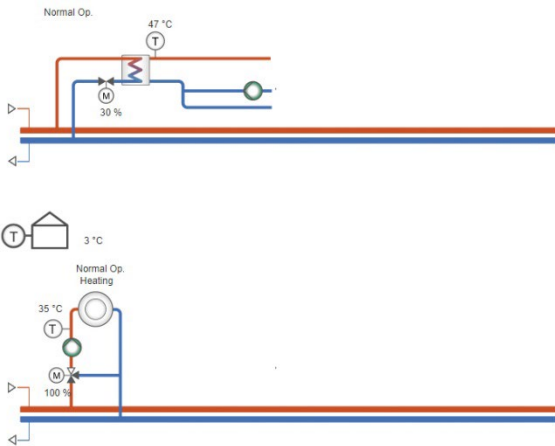|	Terminal		Terminal	
	G		P1 B	
	G0		P1 A	
	Gnd		P1 N	
	+C		P1 E	
	Gdo		P2 B	
HS1 pump A	DO1		P2 A	
HS2 pump A	DO2		P2 N	
	DO3		P2 E	
	DO4			
	DO5		Ext D	
	DO6			
	DO7		DI1	
	Agnd		DI2	
Outdoor temperature	AI1		DI3	
HS1 Supply temp.	AI2		DI4	
	Agnd		DI5	
HS2 supply temp.	AI3		DI6	
	AI4		DI7	
	Agnd		DI8	
	UI1		Agnd	
	UI2		AO1	HS1 Valve
	Agnd		AO2	HS2 Valve
	UI3		AO3	
	UI4		AO4	
			AO5	
	TCP			

Available for: HCA152W-4, HCA152DW-4, HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file : 002_HCAxxxxx_HSco_HSco

Example 003

Function description: Hot Water 1 (supply), mixed Heating system 1 (continuous)

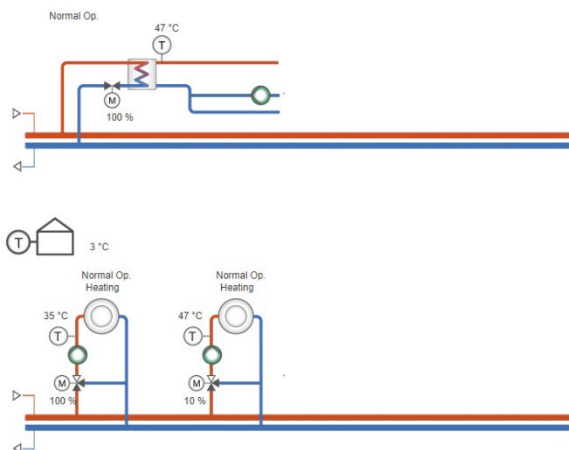|				
	G			
	G0	1 G + 24V AC/DC	P1 B	
	Gnd	2 G0 −	P1 A	
	+C	3 ⏚	B 50	P1 N
	Gdo	4 +C	RS485 Port 1 A 51	P1 E
HS1 pump A	DO1	10 Gᴅᴏ	N 52	P2 B
	DO2	11 DO1	E 53	P2 A
HW1 circ. pump A	DO3	12 DO2	B 60	P2 N
	DO4	13 DO3	RS485 Port 2 A 61	P2 E
	DO5	14 DO4	N 62	
	DO6	15 DO5	E 63	
	DO7	16 DO6		Ext D
	Agnd	17 DO7	Ext.disp. Modular conn. 4P4C	
Outdoor temperature	AI1	30 Agnd		DI1
HS1 Supply temp.	AI2	31 AI1	DI1 71	DI2
	Agnd	32 AI2	DI2 72	DI3
	AI3	33 Agnd	DI3 73	DI4
HW1 supply temp.	AI4	34 AI3	DI4 74	DI5
	Agnd	35 AI4	DI5 75	DI6
	UI1	40 Agnd	DI6 76	DI7
	UI2	41 UI1 :AI5/DI9	DI7 77	DI8
	Agnd	42 UI2 :AI6/DI10	DI8 78	Agnd
	UI3	43 Agnd	Agnd 90	AO1	HS1 Valve
	UI4	44 UI3 :AI7/DI11	AO1 91	AO2
		45 UI4 :AI8/DI12	AO2 92	AO3	HW1 valve
	TCP	RJ45 TCP/IP	AO3 93	AO4
			AO4 94	AO5
			A05 95	

Terminal connection

Available for: HCA152W-4, HCA152DW-4, HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file : 003_HCAxxxx_HWSu_HSco

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Example 004

Function description: Hot Water 1 (supply), mixed Heating system 1 (cont.), mixed Heating system 2 (cont.)

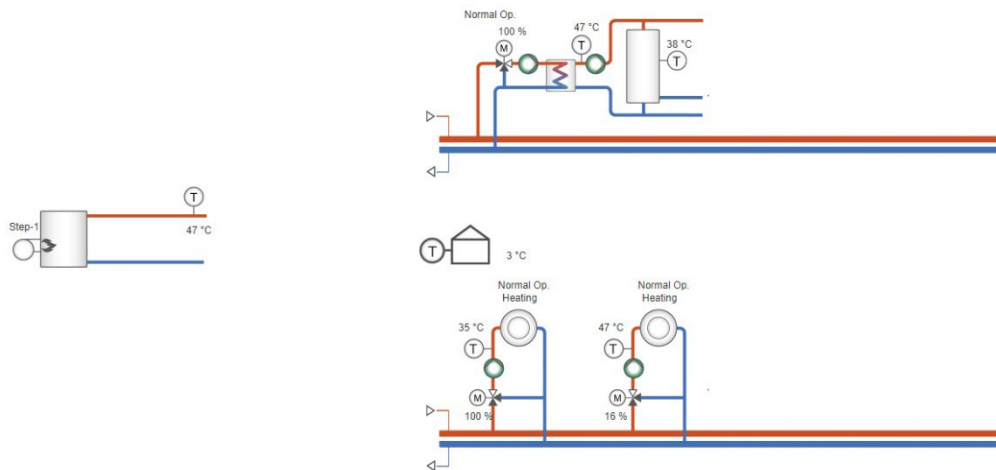|	G			
	G0		P1 B	
	Gnd		P1 A	
	+C		P1 N	
	Gdo		P1 E	
HS1 pump A	DO1		P2 B	
HS2 pump A	DO2		P2 A	
HW1 circ. pump A	DO3		P2 N	
	DO4		P2 E	
	DO5			
	DO6		Ext D	
	DO7			
	Agnd		DI1	
Outdoor temperature	AI1		DI2	
HS1 Supply temp.	AI2		DI3	
	Agnd		DI4	
HS2 Supply temp.	AI3		DI5	
HW1 supply temp.	AI4		DI6	
	Agnd		DI7	
	UI1		DI8	
	UI2		Agnd	
	Agnd		AO1	HS1 Valve
	UI3		AO2	HS2 Valve
	UI4		AO3	HW1 valve
			AO4	
	TCP		AO5	

Terminal connection

Available for: HCA152W-4, HCA152DW-4, HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file : 004_HCAxxxxx_HWSu_HSco_HSco

Examples for
Ardo-controllers with 28 IO's

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THE CHALLENGER

Example 201

Function description: Boiler (1-step + demand), Hot Water 1 (storage tank + PI-load-supply), mixed Heating system 1 (continuous), mixed Heating system 2 (continuous)

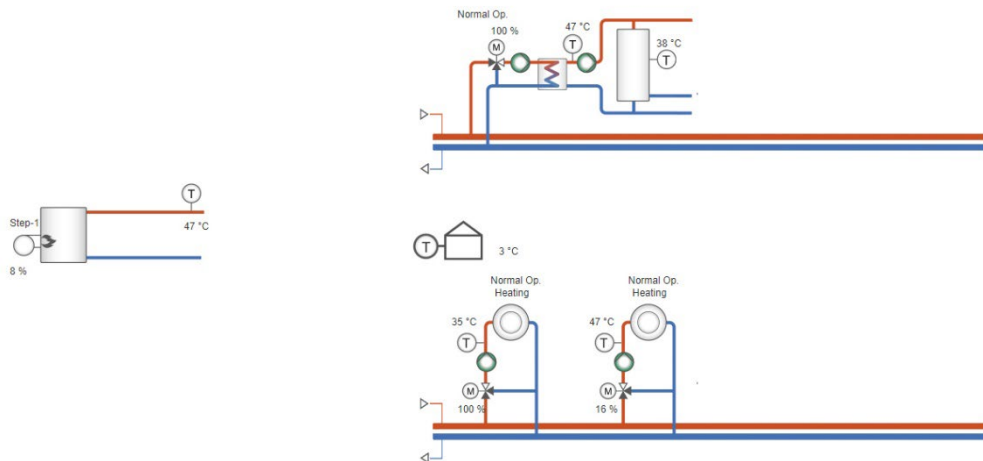|				
	G		P1 B	
	G0		P1 A	
	Gnd		P1 A	
	+C		P1 N	
	Gdo		P1 E	
HS1 pump A	DO1		P2 B	
HS2 pump A	DO2		P2 A	
HW1 exch. pump A	DO3		P2 N	
HW1 tank pump A	DO4		P2 E	
Boiler 1 step 1	DO5			
	DO6		Ext D	
	DO7			
	Agnd		DI1	
Outdoor temperature	AI1		DI2	
HS1 supply temp.	AI2		DI3	
	Agnd		DI4	
HS2 supply temp.	AI3		DI5	
HW1 supply temp.	AI4		DI6	
	Agnd		DI7	
HW1 tank middle temp	UI1		DI8	
Boiler supply temp.	UI2		Agnd	
	Agnd		AO1	HS1 Valve
	UI3		AO2	HS2 Valve
	UI4		AO3	HW1 valve
			AO4	Heat demand
	TCP		AO5	

Terminal connection

Available for: HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file : 201_HCAxxxxx_HB1S_HWTS_HSco_HSco

Example 202

Function description: Boiler (1-step + modulation), Hot Water 1 (storage tank + PI-load-supply), mixed Heating system 1 (continuous), mixed Heating system 2 (continuous)

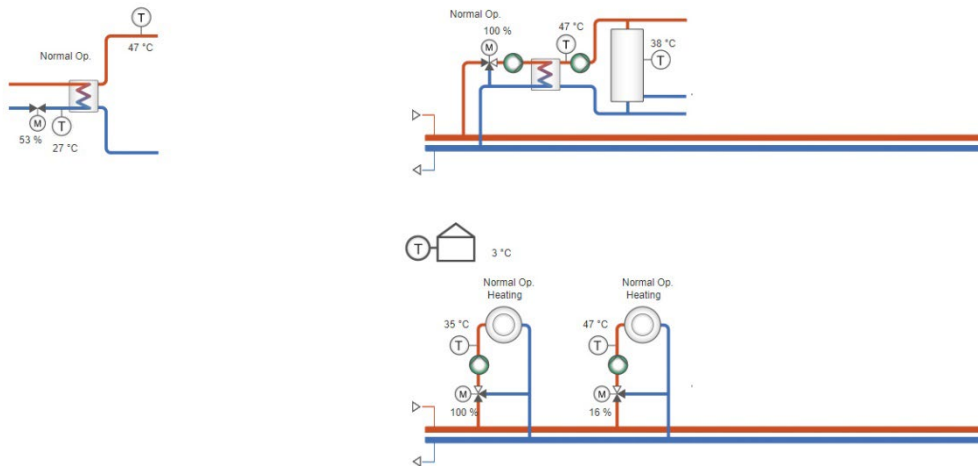|				
	G		P1 B	
	G0		P1 A	
	Gnd		P1 N	
	+C		P1 E	
	Gdo		P2 B	
HS1 pump A	DO1		P2 A	
HS2 pump A	DO2		P2 N	
HW1 exch. pump A	DO3		P2 E	
HW1 tank pump A	DO4			
Boiler 1 step 1	DO5		Ext D	
	DO6			
	DO7		DI1	
	Agnd		DI2	
Outdoor temperature	AI1		DI3	
HS1 Supply temp.	AI2		DI4	
	Agnd		DI5	
HS2 Supply temp.	AI3		DI6	
HW1 supply temp.	AI4		DI7	
	Agnd		DI8	
HW1 tank middle temp	UI1		Agnd	
Boiler supply temp.	UI2		AO1	HS1 Valve
	Agnd		AO2	HS2 Valve
	UI3		AO3	HW1 valve
	UI4		AO4	Boiler 1 modulation
			AO5	
	TCP			

Terminal connection

Available for: HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file : 202_HCAxxxxx_HBmo_HWTS_HSco_HSco

REGIN
THE CHALLENGER

Example 203

Function description: District Heating system (continuous), Hot Water 1 (storage tank + PI-load-supply), mixed Heating system 1 (continuous), mixed Heating system 2 (continuous)

	G			P1 B	
	G0			P1 A	
	Gnd			P1 N	
	+C			P1 E	
	Gdo			P2 B	
HS1 pump A	DO1			P2 A	
HS2 pump A	DO2			P2 N	
HW1 exch. pump A	DO3			P2 E	
HW1 tank pump A	DO4				
	DO5				
	DO6			Ext D	
	DO7				
	Agnd			DI1	
Outdoor temperature	AI1			DI2	
HS1 supply temp.	AI2			DI3	
	Agnd			DI4	
HS2 supply temp.	AI3			DI5	
HW1 supply temp.	AI4			DI6	
	Agnd			DI7	
HW1 tank middle temp	UI1			DI8	
DHS supply temp.	UI2			Agnd	
	Agnd			AO1	HS1 Valve
DHS primary ret. temp	UI3			AO2	HS2 Valve
	UI4			AO3	HW1 valve
				AO4	DHS valve
	TCP			AO5	

Terminal connection

Available for: HCA282DW-4, HCA283WM-4, HCA283DWM-4

Application tool - file: 203_HCAxxxxx_HB1S_HWTS_HSco_HSco

PC60002, Rev C

Examples for
Vido-controllers with 19 and 20 IO's

Example 101

Function-description: mixed Heating system 1 (3-point)

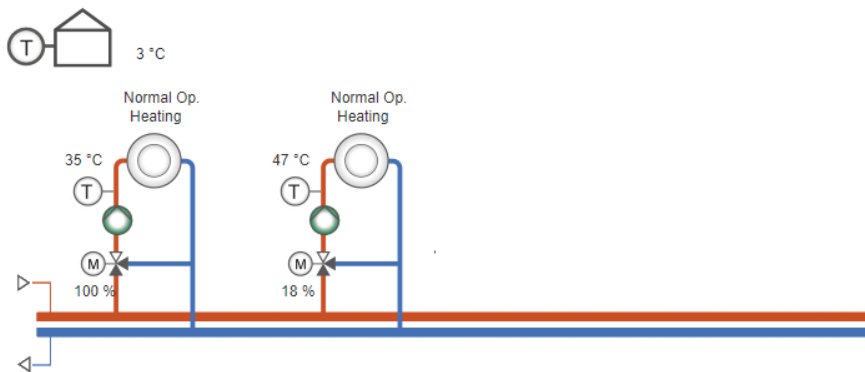| Outdoor temperature	AI1		N	
HS 1 supply temp.	AI2		L	
	AI3		C7	
	AI4		DO7	
	UI1			
	UI2		DO6	
	UI3		C5-6	
	UI4		DO5	
	DI1			
	DI2		DO4	HS1 Valve decrease
	AO1		C3-4	
	AO2		DO3	HS1 Valve increase
	Agnd			
	AO3		DO2	
	M-B		C1-2	
	M-A		DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 101_HCVxxxxx_HS3p

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Example 102

Function-description: mixed Heating system 1 (3-point), mixed Heating system 2 (3-point)

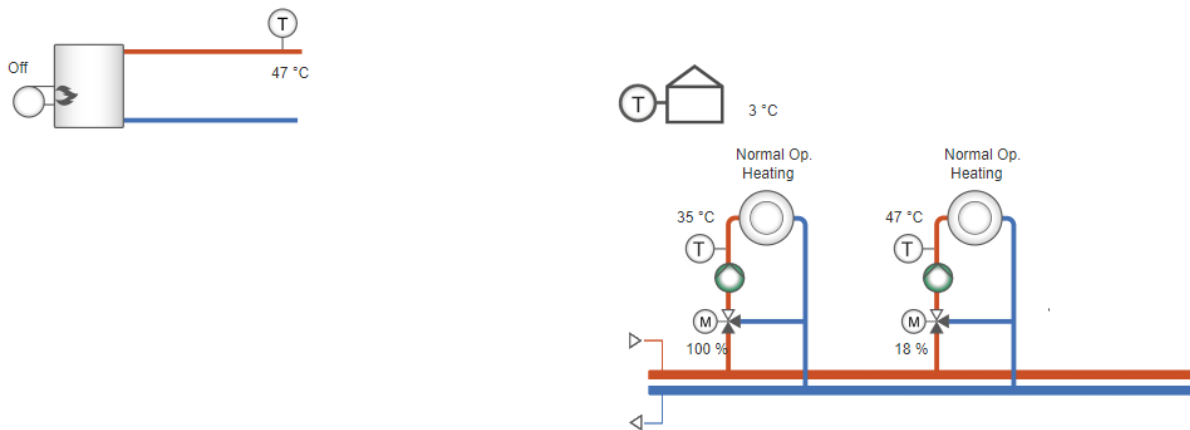|					
Outdoor temperature	AI1			N	
HS 1 supply temp.	AI2			L	
HS 2 supply temp.	AI3			C7	
	AI4			DO7	
	UI1				
	UI2			DO6	HS2 Valve close
	UI3			C5-6	
	UI4			DO5	HS2 Valve increase
	DI1				
	DI2			DO4	HS1 Valve decrease
	AO1			C3-4	
	AO2			DO3	HS1 Valve increase
	Agnd				
	AO3			DO2	HS2 Pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 102_HCVxxxxx_HS3p_HS3p

Example 103

Function-description: Boiler (1-step + demand), mixed Heating system 1 (3-point), mixed Heating system 2 (3-point)

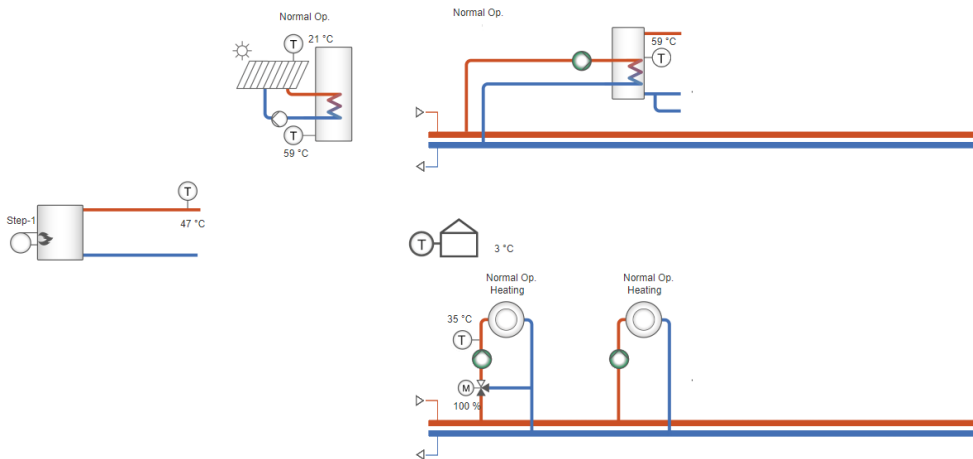|				
Outdoor temperature	AI1		N	
HS1 Supply temp.	AI2		L	
HS2 supply temp.	AI3		C7	
	AI4		DO7	Boiler 1 step 1
	UI1			
Boiler supply temp	UI2		DO6	HS2 valve close
	UI3		C5-6	
	UI4		DO5	HS2 valve increase
	DI1			
	DI2		DO4	HS1 valve decrrease
Heat demand	AO1		C3-4	
	AO2		DO3	HS1 valve increase
	Agnd			
	AO3		DO2	HS2 Pump A
	M-B		C1-2	
	M-A		DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 103_HCVxxxxx_HB1s_HS3p_HS3p

Example 104

Function-description: Boiler (1-step + demand), Hot Water 1 (storage tank + load pump + solar system), mixed Heating system 1 (3-point), unmixed Heating system 2

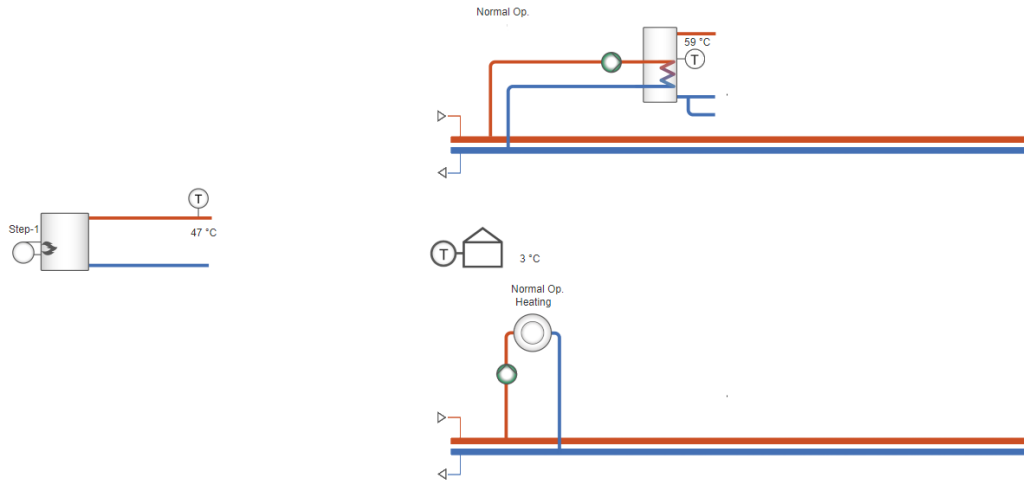| Outdoor temperature	AI1			N	
HS1 Supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	Boiler 1 step 1
	UI1				
Boiler supply temp	UI2			DO6	Solar system pump A
	UI3			C5-6	
Solar collector temp.	UI4			DO5	HW1 tank pump A
	DI1				
	DI2			DO4	HS1 valve decrrease
Heat demand	AO1			C3-4	
	AO2			DO3	HS1 valve increase
	Agnd				
	AO3			DO2	HS2 Pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 104_HCVxxxxx_HB1s_HWTSo_HS3p_HSpu

Example 105

Function-description: Boiler (2-step + demand), Hot Water 1 (storage tank + load pump), unmixed Heating system 1

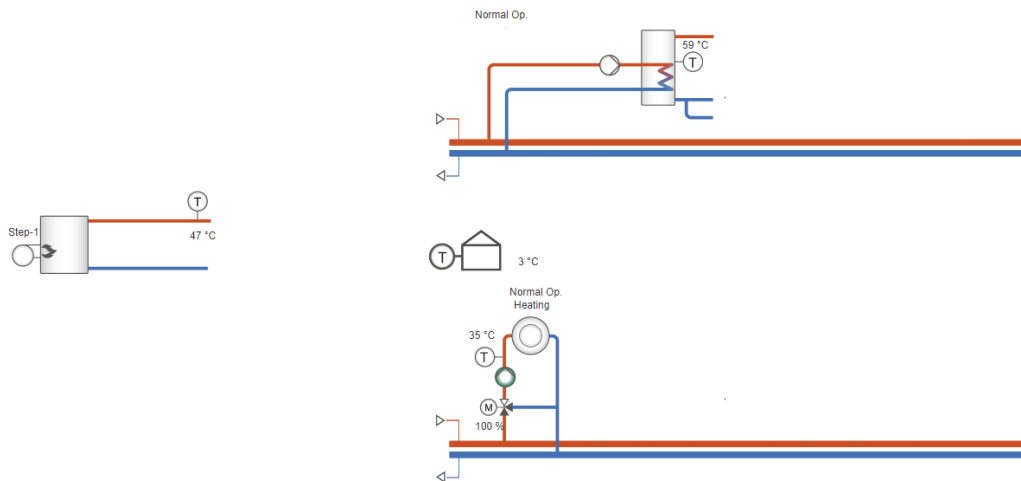|					
Outdoor temperature	AI1			N	
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	HW1 tank pump A
	UI1				
Boiler supply temp	UI2			DO6	Boiler 1 step 2
	UI3			C5-6	
	UI4			DO5	Boiler 1 step 1
	DI1				
	DI2			DO4	
Heat demand	AO1			C3-4	
	AO2			DO3	
	Agnd				
	AO3			DO2	
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 105_HCVxxxxx_HB2S_HWTP_HSpu

Example 106

Function-description: Boiler (2-step + demand), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point)

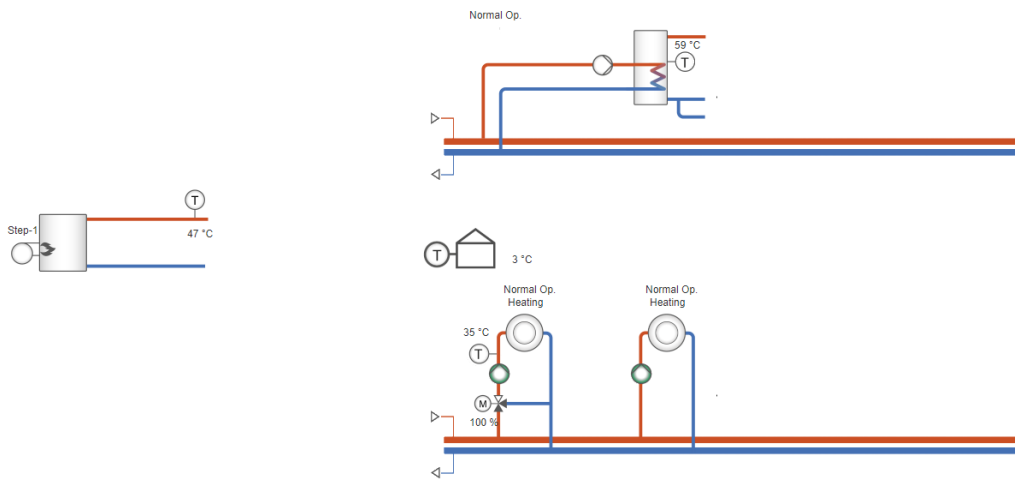| Outdoor temperature	AI1			N	
HS1 supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	HW1 tank pump A
	UI1				
Boiler supply temp	UI2			DO6	Boiler 1 step 2
	UI3			C5-6	
	UI4			DO5	Boiler 1 step 1
	DI1				
	DI2			DO4	HS1 Valve decrease
Heat demand	AO1			C3-4	
	AO2			DO3	HS1 Valve increase
	Agnd				
	AO3			DO2	
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 106_HCVxxxxx_HB2S_HWTP_HS3p

Example 107

Function-description: Boiler (2-step + demand), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point), unmixed Heating system 2

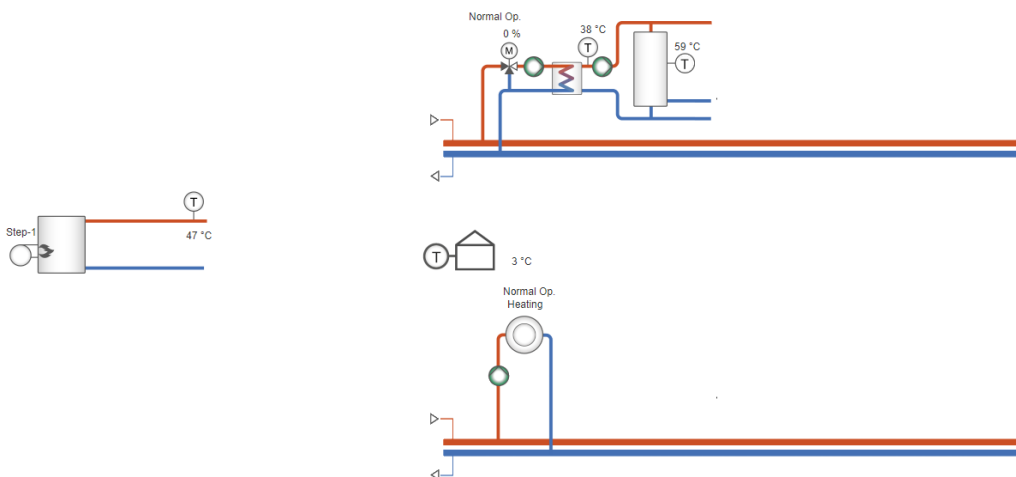|				
Outdoor temperature	AI1		N	
HS1 supply temp.	AI2		L	
	AI3		C7	
HW1 tank middle temp.	AI4		DO7	HW1 tank pump A
	UI1			
Boiler supply temp	UI2		DO6	Boiler 1 step 2
	UI3		C5-6	
	UI4		DO5	Boiler 1 step 1
	DI1			
	DI2		DO4	HS1 Valve decrease
Heat demand	AO1		C3-4	
	AO2		DO3	HS1 Valve increase
	Agnd			
	AO3		DO2	HS2 Pump A
	M-B		C1-2	
	M-A		DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 107_HCVxxxxx_HB2S_HWTP_HS3p_HSpu

Example 108

Function-description: Boiler (2-step + demand), Hot Water 1 (storage tank + PI-load-supply), unmixed Heating system 1

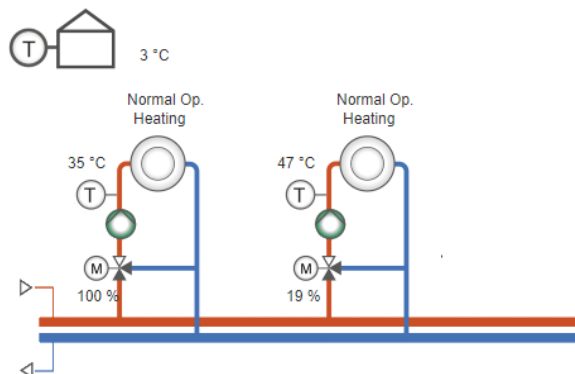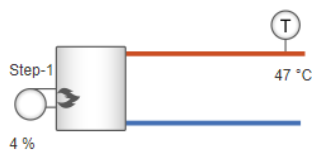| Outdoor temperature	AI1			N	
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4		DO7	DO7	HW1 tank pump A
HW1 supply temp.	UI1				
Boiler supply temp	UI2		DO6	DO6	Boiler 1 step 2
	UI3			C5-6	
	UI4		DO5	DO5	Boiler 1 step 1
	DI1				
	DI2		DO4	DO4	HW1 valve close
Heat demand	AO1			C3-4	
	AO2		DO3	DO3	HW1 valve open
	Agnd				
	AO3		DO2	DO2	HW1 exch. pump A
	M-B			C1-2	
	M-A		DO1	DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 108_HCVxxxxx_HB2S_HWTS_HSpu

Example 109

Function-description: Boiler (1-step + modulation), mixed Heating system 1 (3-point), mixed Heating system 2 (3-point)

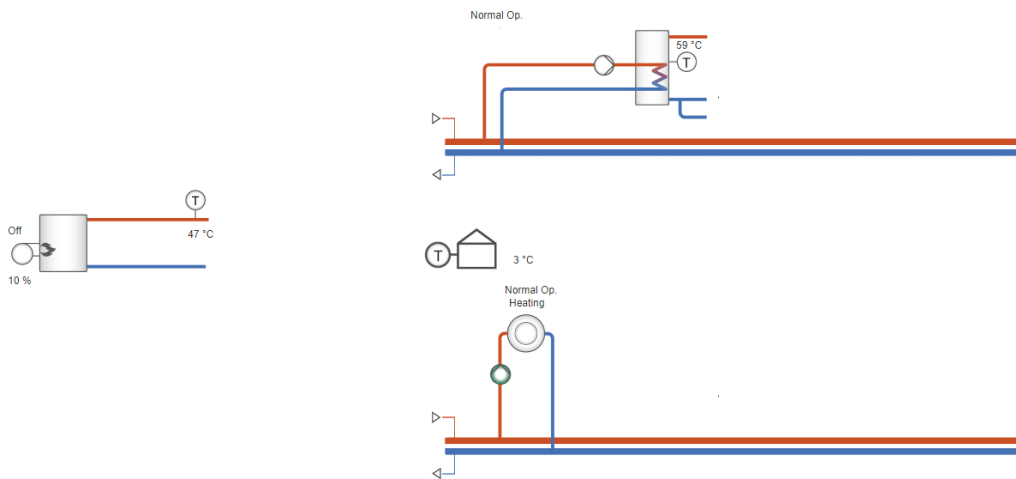|				
Outdoor temperature	AI1		N	
HS1 supply temp.	AI2		L	
HS2 supply temp.	AI3		C7	
	AI4		DO7	Boiler 1 step 1
	UI1			
Boiler supply temp	UI2		DO6	HS2 Valve close
	UI3		C5-6	
	UI4		DO5	HS2 Valve increase
	DI1			
	DI2		DO4	HS1 Valve decrease
	AO1		C3-4	
Boiler 1 modulation	AO2		DO3	HS1 Valve increase
	Agnd			
	AO3		DO2	HS2 Pump A
	M-B		C1-2	
	M-A		DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 109_HCVxxxxx_Hbmo_HS3p_HS3p

Example 110

Function-description: Boiler (1-step + modulation), Hot Water 1 (storage tank + load pump), unmixed Heating system 1

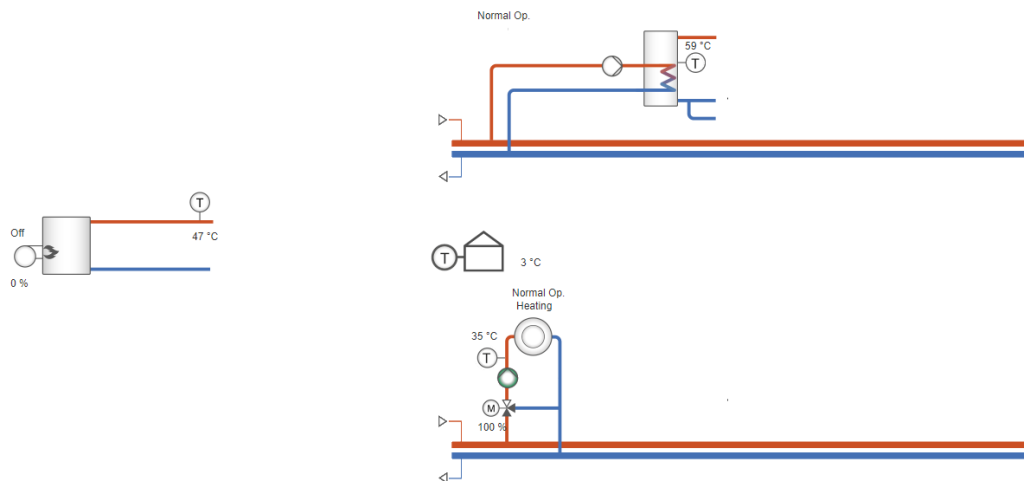| Outdoor temperature	AI1			N	
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4		DO7	DO7	Boiler 1 step 1
	UI1				
Boiler supply temp	UI2		DO6	DO6	
	UI3			C5-6	
	UI4		DO5	DO5	HW1 tank pump A
	DI1				
	DI2		DO4	DO4	
	AO1			C3-4	
Boiler 1 modulation	AO2		DO3	DO3	
	Agnd		DO2		
	AO3			DO2	
	M-B		DO1	C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 110_HCVxxxxx_Hbmo_HWTP_HSpu

Example 111

Function-description: Boiler (1-step + modulation), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point)

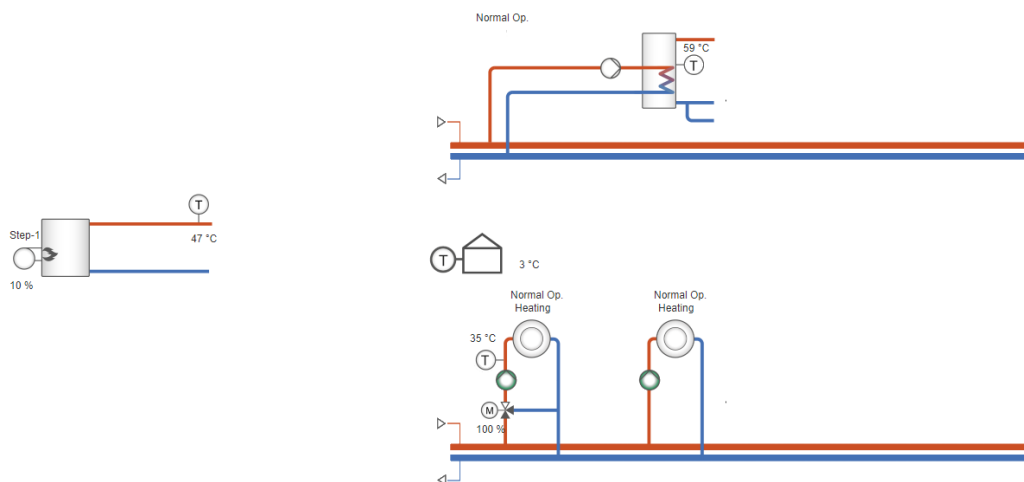|					
Outdoor temperature	AI1			N	
HS1 Supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	Boiler 1 step 1
	UI1				
Boiler supply temp	UI2			DO6	
	UI3			C5-6	
	UI4			DO5	HW1 tank pump A
	DI1				
	DI2			DO4	HS1 Valve decrease
	AO1			C3-4	
Boiler 1 modulation	AO2			DO3	HS1 Valve increase
	Agnd				
	AO3			DO2	
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 111_HCVxxxxx_Hbmo_HWTP_HS3p

Example 112

Function-description: Boiler (1-step + modulation), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point), unmixed Heating system 2

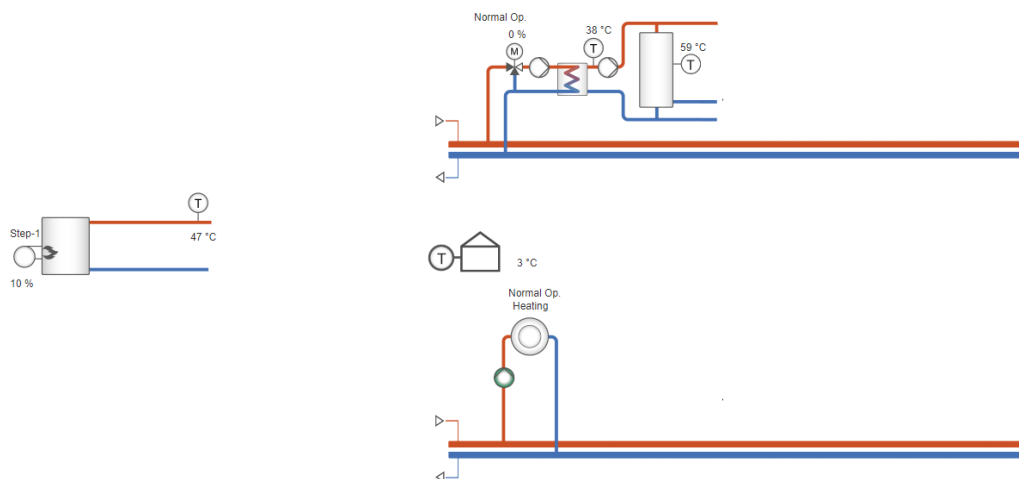|					
Outdoor temperature	AI1			N	
HS1 Supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	Boiler 1 step 1
	UI1				
Boiler supply temp	UI2			DO6	
	UI3			C5-6	
	UI4			DO5	HW1 tank pump A
	DI1				
	DI2			DO4	HS1 Valve decrease
	AO1			C3-4	
Boiler 1 modulation	AO2			DO3	HS1 Valve increase
	Agnd				
	AO3			DO2	HS2 Pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 112_HCVxxxxx_Hbmo_HWTP_HS3p_HSpu

Example 113

Function-description: Boiler (1-step + modulation), Hot Water 1 (storage tank + PI-load-supply), unmixed Heating system 1

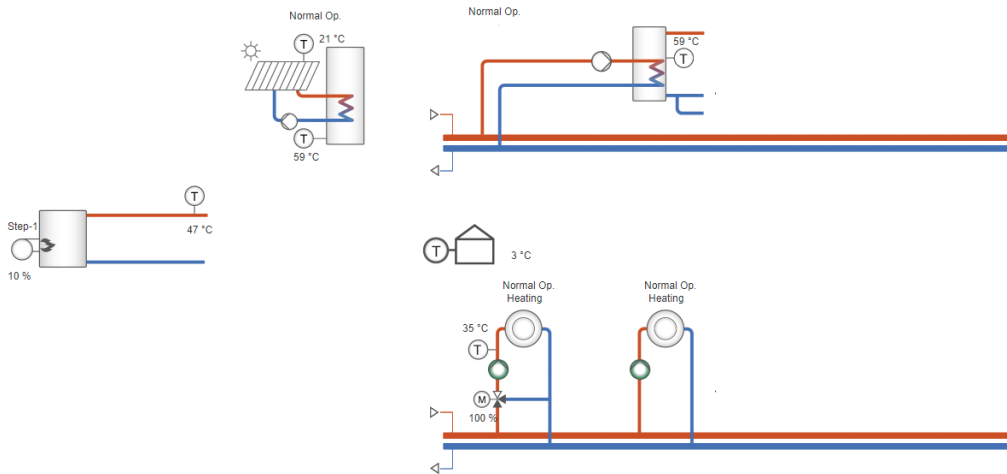|					
Outdoor temperature	AI1			N	
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	Boiler 1 step 1
HW1 supply temp.	UI1				
Boiler supply temp.	UI2			DO6	
	UI3			C5-6	
	UI4			DO5	HW1 tank pump A
	DI1				
	DI2			DO4	HW1 valve close
	AO1			C3-4	
Boiler 1 modulation	AO2			DO3	HW1 valve open
	Agnd				
	AO3			DO2	HW1 Exch. pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 113_HCVxxxxx_Hbmo_HWTS_HSpu

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Example 114

Function-description: Boiler (1-step + modulation), Hot Water 1 (storage tank + load pump + solar system), mixed Heating system 1 (3-point), unmixed Heating system 2

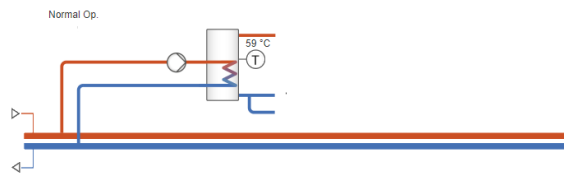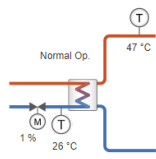| Outdoor temperature	AI1			N	
HS1 supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	Boiler 1 step 1
	UI1				
Boiler supply temp	UI2			DO6	Solar system pump A
	UI3			C5-6	
Solar collector temp.	UI4			DO5	HW1 tank pump A
	DI1				
	DI2			DO4	HS1 Valve decrease
	AO1			C3-4	
Boiler 1 modulation	AO2			DO3	HS1 Valve increase
	Agnd				
	AO3			DO2	HS2 Pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file : 114_HCVxxxxx_Hbmo_HWTSo_HS3p_HSpu

Example 115

Function-description: District Heating system (3-point), Hot Water 1 (storage tank + load pump), unmixed Heating system 1

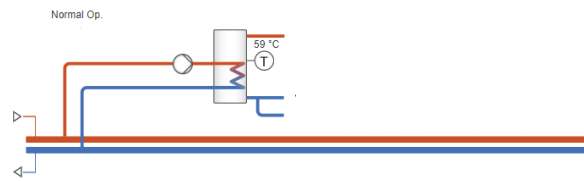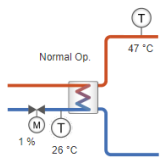| Outdoor temperature | AI1 | | | N | |
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	HW1 tank pump A
	UI1				
DHS supply temp.	UI2			DO6	DHS valve close
DHS primary ret. temp.	UI3			C5-6	
	UI4			DO5	DHS valve increase
	DI1				
	DI2			DO4	
	AO1			C3-4	
	AO2			DO3	
	Agnd				
	AO3			DO2	
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 115_HCVxxxxx_DH3p_HWTP_HSpu

Example 116

Function-description: District Heating system (3-point), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point)

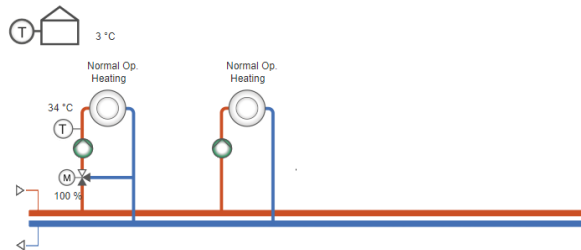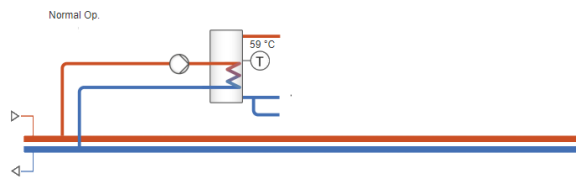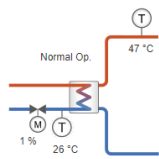| Outdoor temperature	AI1			N	
HS1 supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4		DO7	DO7	HW1 tank pump A
	UI1				
DHS supply temp.	UI2		DO6	DO6	DHS valve close
DHS primary ret. temp.	UI3			C5-6	
	UI4		DO5	DO5	DHS valve increase
	DI1				
	DI2		DO4	DO4	HS1 valve decrease
	AO1			C3-4	
	AO2		DO3	DO3	HS1 valve increase
	Agnd		DO2		
	AO3			DO2	
	M-B		DO1	C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 116_HCVxxxxx_DH3p_HWTP_HS3p

Example 117

Function-description: District Heating system (3-point), Hot Water 1 (storage tank + load pump), mixed Heating system 1 (3-point), unmixed Heating system 2

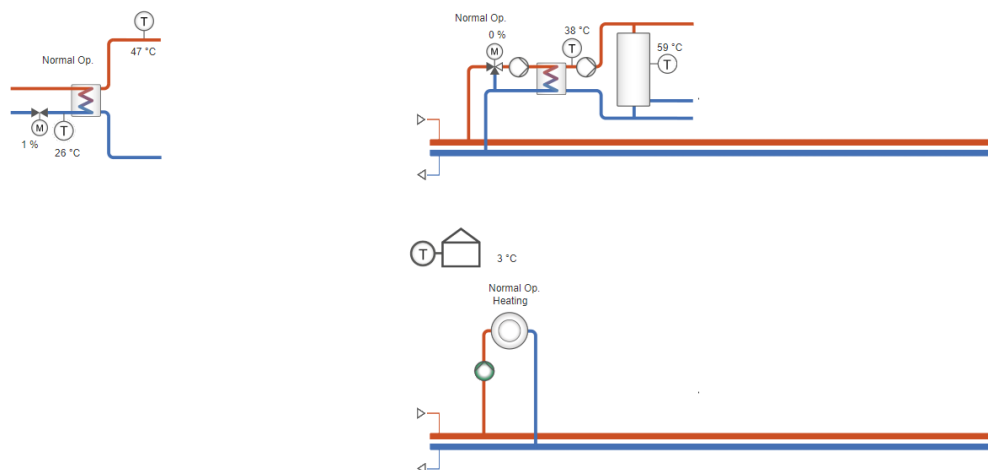|					
Outdoor temperature	AI1			N	
HS1 supply temp.	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4		DO7	DO7	HW1 tank pump A
	UI1				
DHS1 supply temp.	UI2		DO6	DO6	DHS1 valve close
DHS1 primary ret. temp.	UI3			C5-6	
	UI4		DO5	DO5	DHS1 valve increase
	DI1				
	DI2		DO4	DO4	HS1 valve decrease
	AO1			C3-4	
	AO2		DO3	DO3	HS1 valve increase
	Agnd		DO2		
	AO3			DO2	HS2 Pump A
	M-B		DO1	C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 117_HCVxxxxx_DH3p_HWTP_HS3p_HSpu

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Example 118

Function-description: District Heating system (3-point), Hot Water 1 (storage tank + PI-load-supply), unmixed Heating system 1

Outdoor temperature	AI1			N	
	AI2			L	
	AI3			C7	
HW1 tank middle temp.	AI4			DO7	HW1 tank pump A
HW1 supply temp.	UI1				
DHS supply temp.	UI2			DO6	DHS valve close
DHS primary ret. temp.	UI3			C5-6	
	UI4			DO5	DHS valve increase
	DI1				
	DI2			DO4	HW1 valve close
	AO1			C3-4	
	AO2			DO3	HW1 valve open
	Agnd				
	AO3			DO2	HW1 exch. pump A
	M-B			C1-2	
	M-A			DO1	HS1 Pump A

Terminal connection

Available for: HCV191DW-2, HCV192DW-2, HCV203DWM-2

Application tool - file: 118_HCVxxxxx_DH3p_HWTS_HS3p