

CTC EcoLogic M/L

< System 1 >

Used for one heat pump to be connected to an existing boiler

< System 2 >

Systems for heating with degree minute steering and a smaller additional heater for both heating and hot water (if several heat pump are used the additional heater should not be larger than one heat pump effect)

< System 3 >

Systems for hot water and heat with degree minute steering. Suitable for a larger additional heater which is separated only for heating and a separate additional heater for hot water.

< System 4 >

Systems for heating with buffer tank and mixing valve to a smaller additional heater for both heating and hot water (if several heat pumps are used the additional heater should not be larger than one heat pump effect).

Active cooling with or without a cooling tank with CTC CombiAir.

< System 5 >

Systems for heating with buffer tank and mixing valve to a larger additional heater which is separated only for heating and separately additional heater for hot water.

Active cooling with or without a cooling tank with CTC CombiAir.

< System 6 >

Systems for heating with buffer tank and bivalent mixing valve to a larger additional heater.

< Component list >

Important for printing!

Always start by selecting the box “1 heat pump”.

Otherwise, all possible choices to be printed.

Print the current page for the selected systems and page 8, which is the component list.

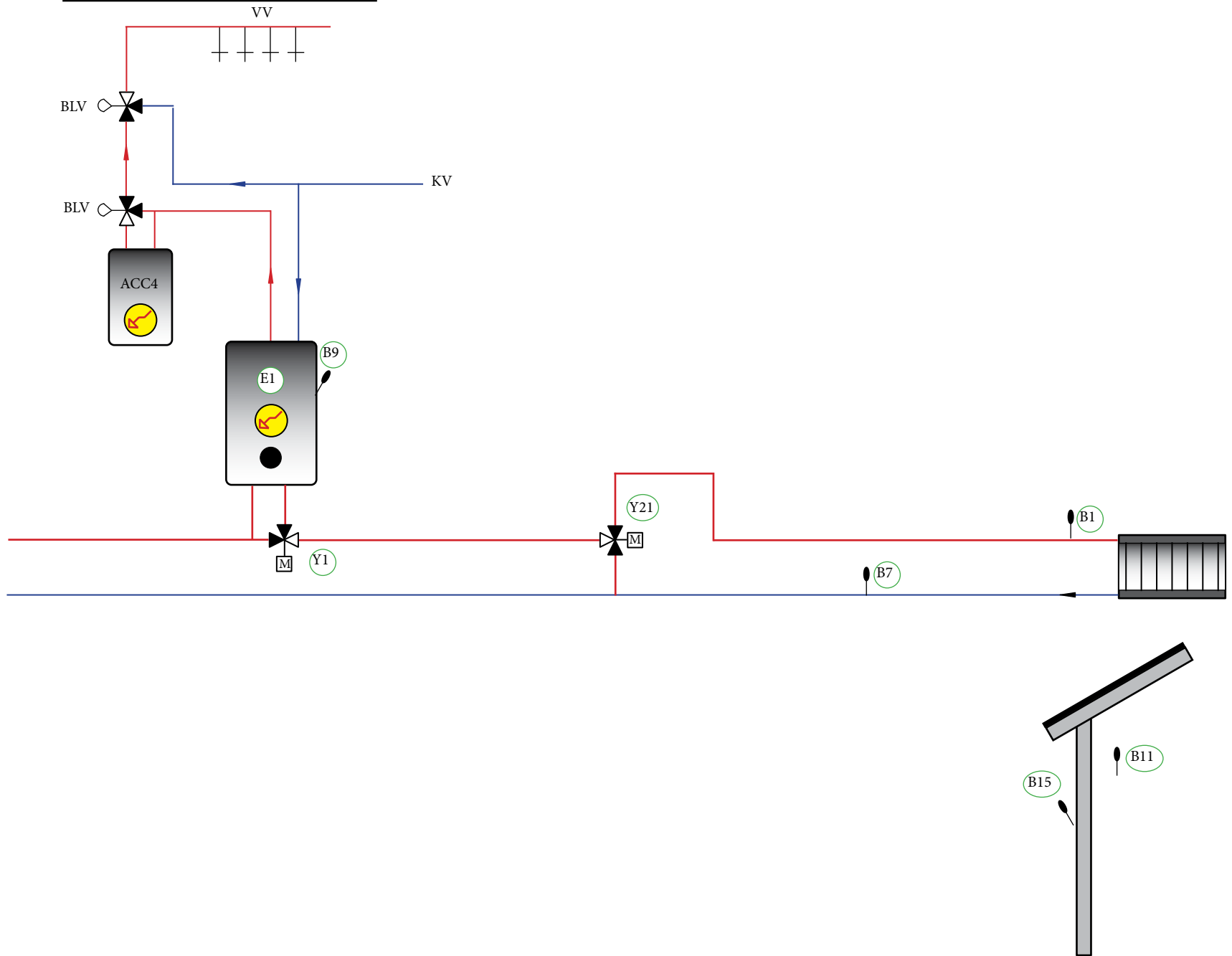
CTC EcoLogic M/L, system 1

Object:

- Heat pump**
- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10
- DHW**
- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*
- Heating circuit**
- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*
- Buffer/by-pass
- Passive cooling**
- Passive cooling*
- Additional Heat**
- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI
- Solar panels**
- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechrg*
- Heat exchanger*
- Pool**
- Pool*
- Wood**
- Wood
- Active cooling with cooling tank**
- Common heating/cooling*
- Seperate cooling*
- Active cooling without cooling tank**
- Common heating/cooling 1*
- Common heating/cooling 2*
- Seperate cooling 3*

* CTC EcoLogic L
* CTC CombiAir / CTC EcoAir 700

Start display



Note: This is a schematic diagram

CTC EcoLogic M/L, system 2

Object:

Heat pump

- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10

DHW

- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*

Heating circuit

- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*
- Buffer/by-pass

Passive cooling

- Passive cooling*

Additional Heat

- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI

Solar panels

- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechrg*
- Heat exchanger*

Pool

- Pool*

Wood

- Wood

Active cooling with cooling tank**

- Common heating/cooling*

- Seperate cooling*

Active cooling without cooling tank**

- Common heating/cooling 1*

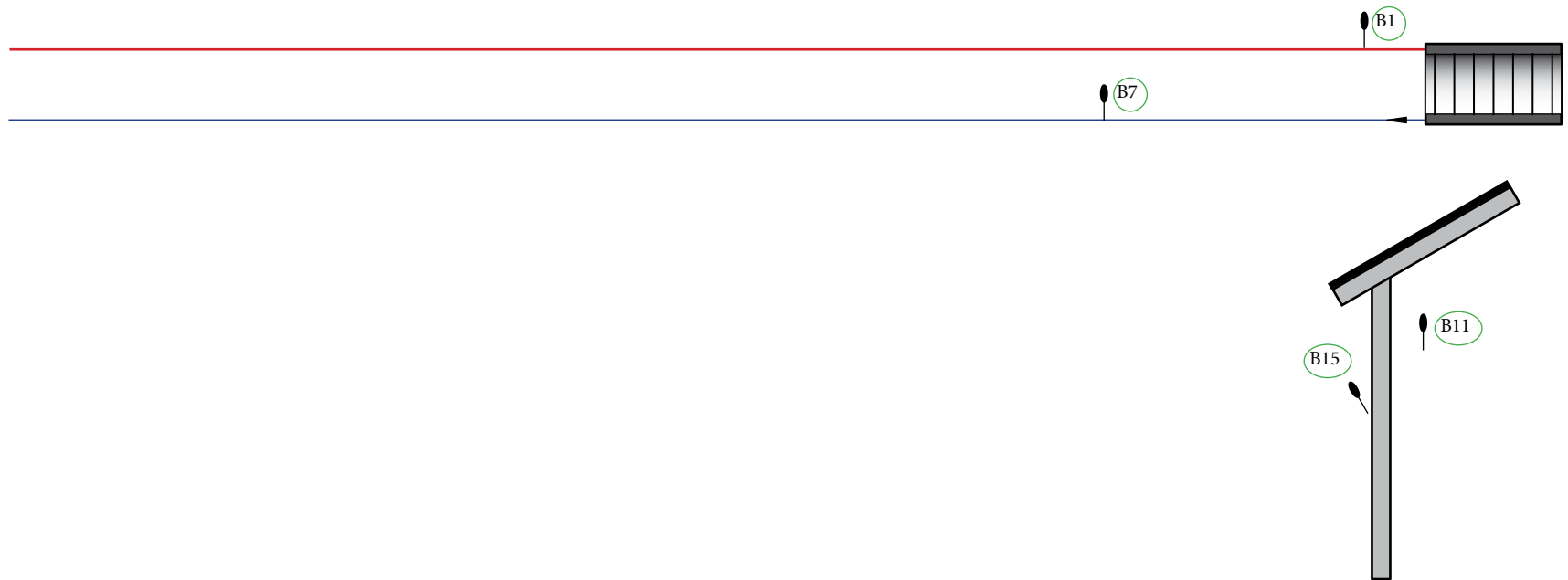
- Common heating/cooling 2*

- Seperate cooling 3*

* CTC EcoLogic L

* CTC CombiAir /
CTC EcoAir 700

Start display



Note: This is a schematic diagram

Object:

Heat pump

- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10

DHW

- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*

Heating circuit

- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*
- Buffer/by-pass

Passive cooling

- Passive cooling*

Additional Heat

- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI

Solar panels

- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechrg*
- Heat exchanger*

Pool

Pool*

Wood

Wood

Active cooling with cooling tank**

Common heating/cooling*

Seperate cooling*

Active cooling without cooling tank**

Common heating/cooling 1*

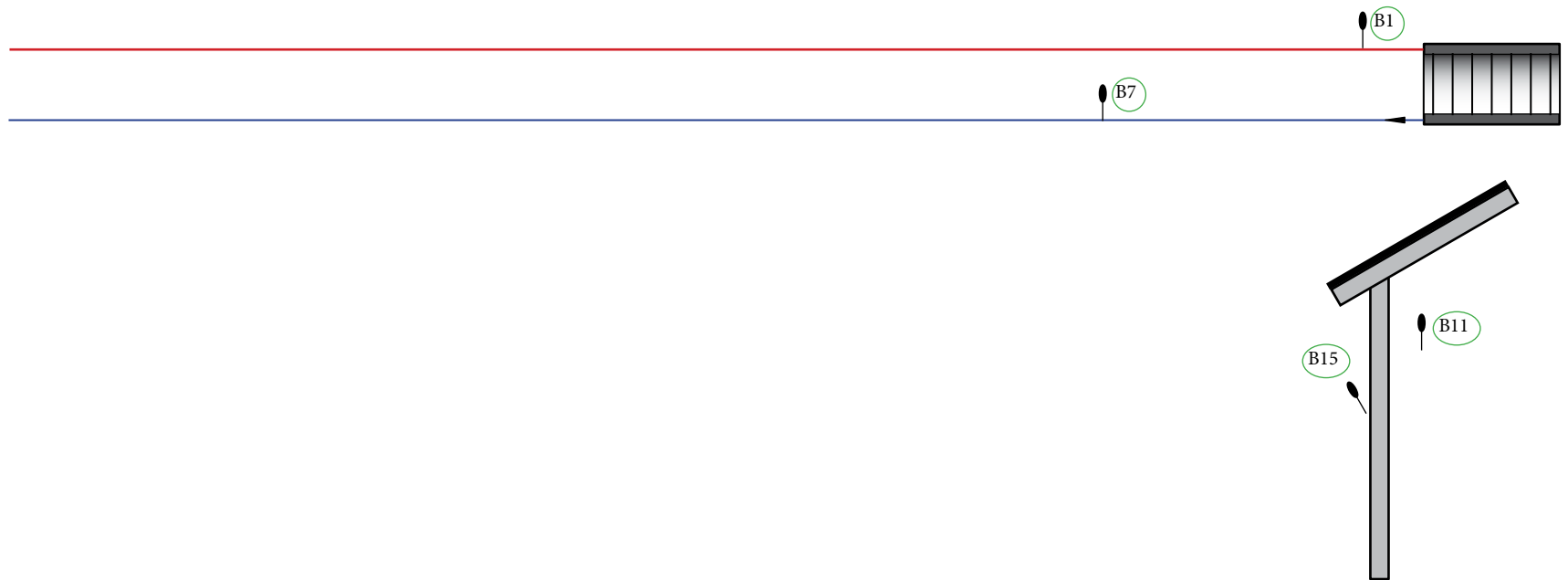
Common heating/cooling 2*

Seperate cooling 3*

* CTC EcoLogic L

* CTC CombiAir /
CTC EcoAir 700

Start display



Note: This is a schematic diagram

CTC EcoLogic M/L, system 4

Object:

Heat pump

- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10

DHW

- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*

Heating circuit

- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*
- Buffer/by-pass

Passive cooling

- Passive cooling*

Additional Heat

- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI

Solar panels

- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechrq*
- Heat exchanger*

Pool

- Pool*

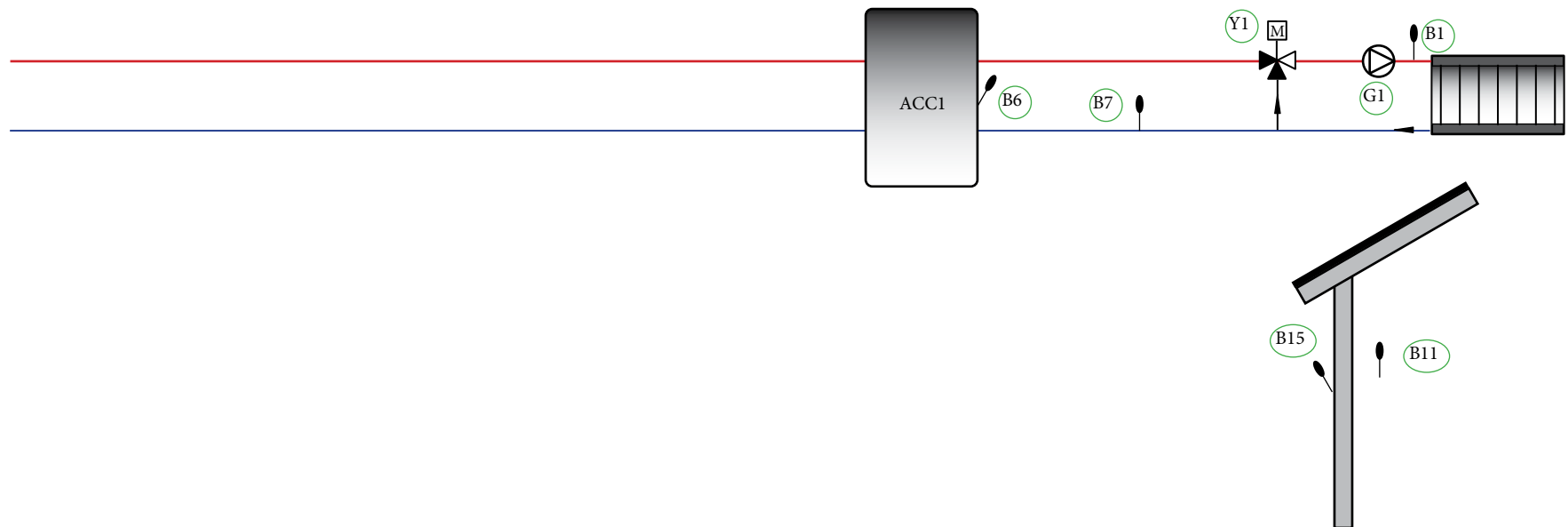
Wood

- Wood
- Active cooling with cooling tank**
- Common heating/cooling*
- Seperate cooling*
- Active cooling without cooling tank**
- Common heating/cooling 1*
- Common heating/cooling 2*
- Seperate cooling 3*

* CTC EcoLogic L

* CTC CombiAir /
CTC EcoAir 700

Start display



Note: This is a schematic diagram

Heat pump

- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10

DHW

- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*

Heating circuit

- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*

Buffer/by-pass

Passive cooling

- Passive cooling*

Additional Heat

- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI

Solar panels

- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechrg*
- Heat exchanger*

Pool

- Pool*

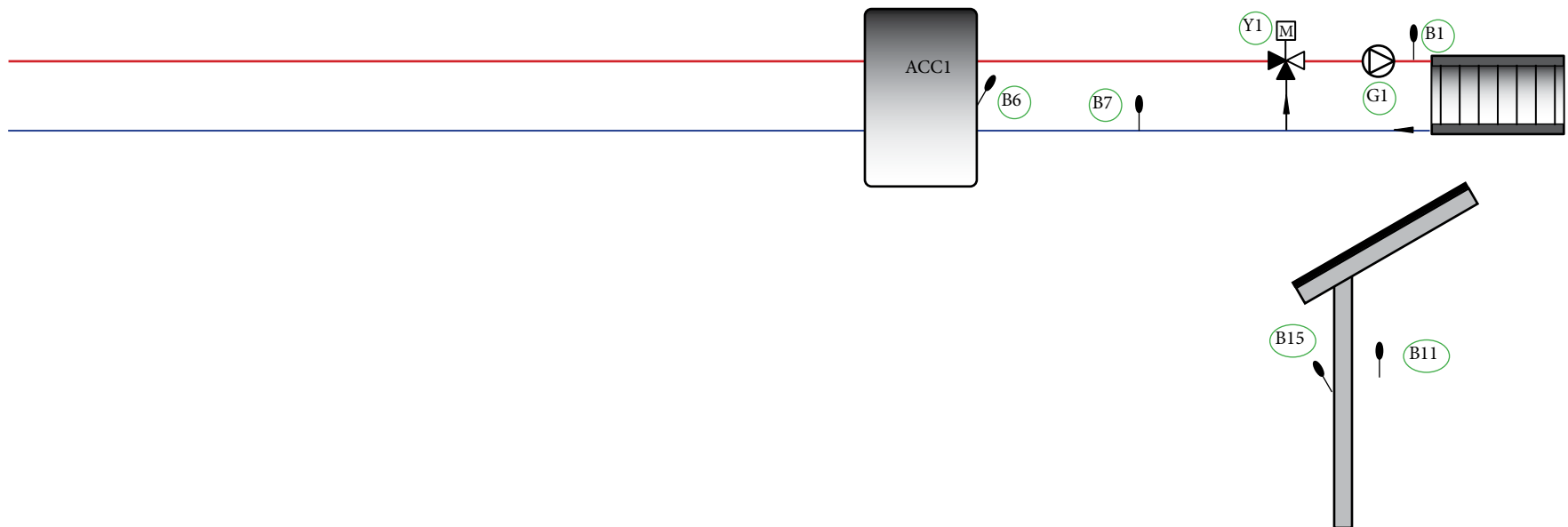
Wood

- Wood
- Active cooling with cooling tank**
- Common heating/cooling*
- Seperate cooling*
- Active cooling without cooling tank**
- Common heating/cooling 1*
- Common heating/cooling 2*
- Seperate cooling 3*

* CTC EcoLogic L

* CTC CombiAir /
CTC EcoAir 700

Start display



Note: This is a schematic diagram

Heat pump

- Heat pump 1
- Heat pump 2
- Heat pump 3
- Heat pump 4 -10

DHW

- DHW - 1 HP
- DHW - 2 HP*
- DHW tank extern
- DHW circulation*
- Heat exchanger*

Heating circuit

- Heating circuit 2
- Heating circuit 3*
- Heating circuit 4*

Buffer/by-pass



Passive cooling

- Passive cooling*

Additional Heat

- 0-10V*
- Add heat, mixing valve
- CTC EcoMiniEI



Solar panels

- Only DHW*
- Only heating circuit*
- DHW & heating circuit*
- Borehole rechr*
- Heat exchanger*

Pool

- Pool*

Wood

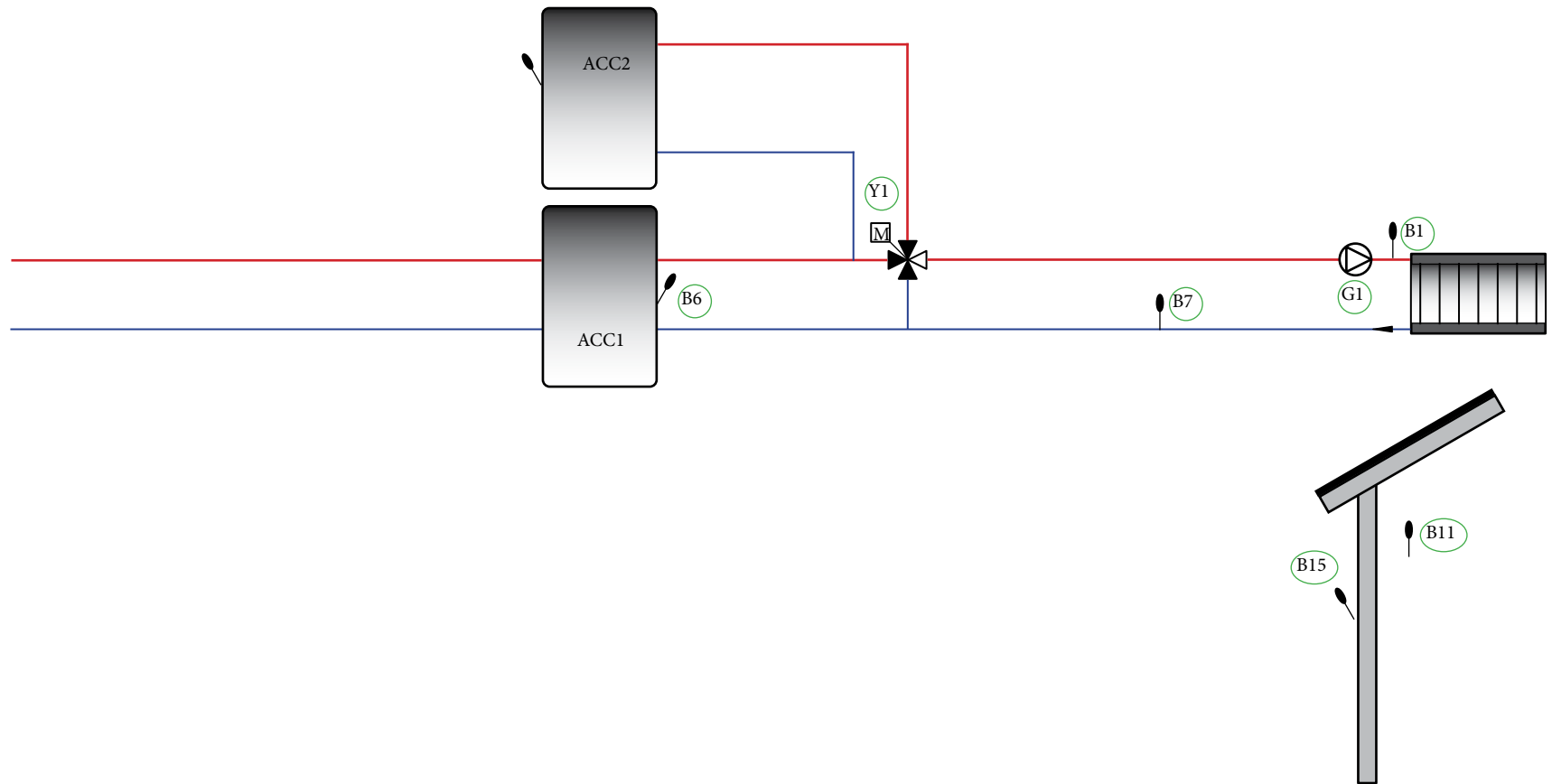
- Wood
- Active cooling with cooling tank**
- Common heating/cooling*
- Seperate cooling*
- Active cooling without cooling tank**
- Common heating/cooling 1*
- Common heating/cooling 2*
- Seperate cooling 3*



* CTC EcoLogic L

* CTC CombiAir /
CTC EcoAir 700

Start display



Note: This is a schematic diagram

Parts list

A1	Heat pump A1
A2	Heat pump A2
A3*	Heat pump A3
A4*	Heat pump A4
A5*	Heat pump A5
A6*	Heat pump A6
A7*	Heat pump A7
A8*	Heat pump A8
A9*	Heat pump A9
A10*	Heat pump A10
B1	Primary flow sensor 1
B2	Primary flow sensor 2
B3*	Primary flow sensor 3
B4*	Primary flow sensor 4
B5	Sensor, hot water tank
B6	Sensor buffer tank
B7	Return sensor heating system
B8	Flue gas sensor
B9	Sensor external boiler
B10	Sensor external boiler out
B11	Room sensor 1
B12	Room sensor 2
B13*	Room sensor 3
B14*	Room sensor 4
B15	Outdoor sensors
B30*	Sensor solar panels In
B31*	Sensor solar panels Out
B41*	Sensor external DHW tank
B50*	Sensor pool
B61	Sensor active cooling tank
B73	Return sensor active cooling

E1	Additional heat, auxiliary relay
E2*	Add heat 0-10V
E3	Add heat EcoMiniEI 230V
E4	Add heat hot water
G1	Radiator pump 1
G2	Radiator pump 2
G3*	Radiator pump 3
G4*	Radiator pump 4
G11	Charge pump heat pump A1
G12	Charge pump heat pump A2
G13*	Charge pump heat pump A3
G14*	Charge pump heat pump A4
G15*	Charge pump heat pump A5
G16*	Charge pump heat pump A6
G17*	Charge pump heat pump A7
G18*	Charge pump heat pump A8
G19*	Charge pump heat pump A9
G20*	Charge pump heat pump A10
G30*	Circulation pump solar panels HP
G31*	Charge pump – recharging bore hole HP
G32*	Pump heat exchanger solar panels HP
G40*	Circulation pump, hot water
G41*	Charge pump External DHW tank
G50*	Pump pool
G51*	Pump pool

Y1	Mixing valve 1
Y2	Mixing valve 2
Y3*	Mixing valve 3
Y4*	Mixing valve 4
Y21	Diverting valve (A1)
Y22	Diverting valve (A2)
Y30*	Solar diverting valve hot water
Y31*	Diverting valve solar
Y61*	Diverting valve active cooling
Y62*	Diverting valve active cooling, relay

*Applies to the CTC EcoLogic L only.

