





A2-RELEY BOARD

L1	L1		M40 Fan
N	N		
PE	PE		
L1	L1		Y60 3-way valve, passive cooling
N	N		
PE	PE		
N	N		Y2 Mixing valve 2 (Heatingsystem 2 or Passive Cooling 1-3)
A15	L		
A16	L		
A36	L		G2 Circulation pump 2 (Heatingsystem 2 or Passive Cooling 1-3)
N	N		
PE	PE		
G11	NTC 150	X	B15 Outdoor sensor
G12			
G15	NTC 22		B2 Primary flow sensor 2 (Heatingsystem 2 or Passive Cooling 1-3)
G16			
G17	1	X	B11 Room sensor 1 (Optional)
G18	2		
G19	4		
G20	1		B12 Room sensor 2 (Optional)
G21	2		
G22	4		
G37	Common		B103 Current transducer (Optional)
G38	L1		
G39	L2		
G40	L3		
G47			M40 - PWM Fan
G48			

G13	NTC 22		B18 Primary flow sensor
G14			
G31	NTC22		B7 Return sensor
G32			
G33			
G35	2		B102 Flow switch
G36	3		
G41	1		
G61	NTC 015		B25 DHW sensor
G62			
G63	NTC 22		B5 (Givare varmvattentank)
G64			
G65	NTC 22		B46 Sensor diff. thermostat
G66			
G67	NTC 22		B47 External heat source tank
G68			
G71	NTC 22		B26 Sensor upper hot water tank
G72			
G75	PWM		G5 Circulation pump for DHW heat exchanger
G76	GND		
A11	L		G46 Circulation pump, diff thermostat
PE	PE		
N	N		
A13	L		Y47 / G1 Electric shut-off valve (Heatingsystem2 or Buffer "volume booster")
PE	PE		
N	N		

A3-EXPANSION BOARD

X6

1	L		G40 Cirkulation pump for DHW circulation
2	PE		
3	N		
4			
5			
7			
8	L		G31 Solar pump bore hole recharging
10	PE		
11	N		
8	Open		Y31 Solar 2-step valve
9	Close		
11	N		Y41/Y42 External heat source tank
12	Open		
13	Close		
14	N		

X7

24	Relay		Y50 3-way valve pool
25	L		
26	N		G50 Circulation pump pool
33	L		
34	PE		
35	N		

X5

1	PWM +		G30 Circulation pump solar panel
2	GND		
3	PWM +		G32 Pump plate heat exchanger - solar energy
4	GND		

X3

15	NTC 22		B50 Sensor pool
16			

X1

1	PT 1000		B31 (Givare solpaneler Ut)
2			
3	PT 1000		B30 (Givare solpaneler In)
4			

