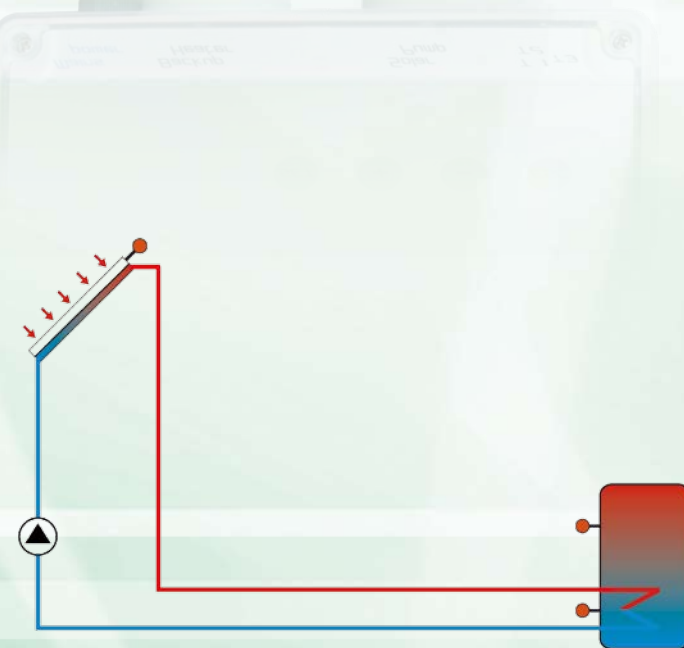


2011 Latest

Special for new Zealand and Australia

Water proof grade IP43



APPLICATIONS CAPACITY

1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:2
4. Max.number of sensors:3
5. Max.number of application system:1

MAIN FUNCTIONS^{AI}

1. Timing heating
2. Temperature difference control 1*ΔT
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Manual Control(for 2 outputs:P1,H1)
11. Password setting
12. Recovery to factory setting
13. Holiday fuction
14. Manual Heating
15. Temperature query function
16. Memory Protection
17. Screen protection
18. Trouble shooting
19. Trouble protection
20. Trouble checking

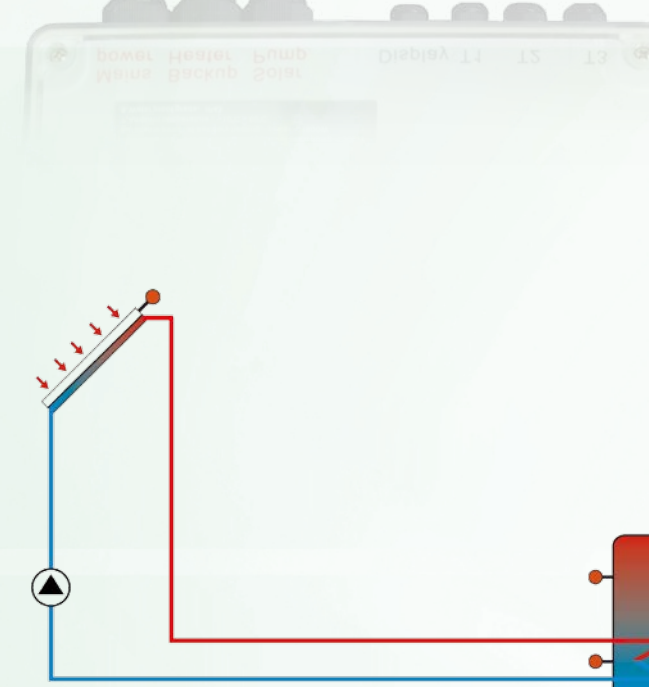
TECHNICAL DATA

1. Dmension: 205mm x150mm x60mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz. .
3. Power consumption: < 3W
4. Accuracy of temperature measuring: ± 2°C
5. Range of collector temperature measuring: -10°C ~200°C
6. Range of tank temperature measuring: 0°C ~110°C
7. Suitable power of pump: 1 pumps possible to be connected, power of each pump ≤ 300W . Suitable power of electrical heater 1PC, ≤ 1500W.
8. Inputs: 3 sensors, 1pcs*Pt1000 sensor (≤500°C)for collector (silicon cable≤280°C), 2pcs*NTC10K, B3950 sensor (≤ 135°C) for tank, (PVC cable ≤105°C),
9. Outputs:2 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature:-10°C ~ 50°C.
11. Water proof grade: IP43.

2011 Latest

Special for new Zealand and Australia

Water proof grade IP43



APPLICATIONS CAPACITY

1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:3
4. Max.number of sensors:3
5. Max.number of application system:1

MAIN FUNCTIONS

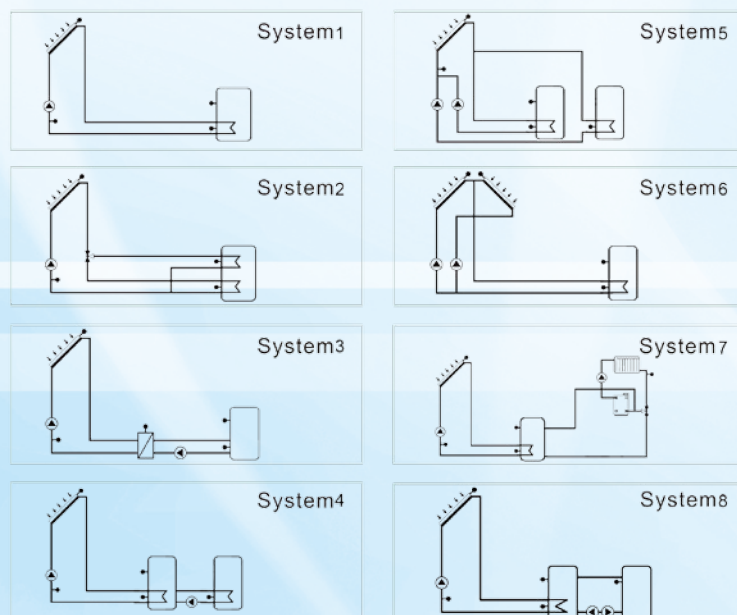
1. Timing heating
2. Temperature difference control 1*ΔT
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. High temperature by-pass function (Collector cooling down)
12. Manual Control(for 3 outputs:P1,R1,H1)
13. Password setting
14. Recovery to factory setting
15. Holiday fuction
16. Manual Heating
17. Temperature query function
18. Memory Protection
19. Screen protection
20. Trouble shooting
21. Trouble protection
22. Trouble checking

TECHNICAL DATA

1. Dmension: 205mm x150mm x60mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz. .
3. Power consumption: < 3W
4. Accuracy of temperature measuring: ± 2°C
5. Range of collector temperature measuring: -10°C~200°C
6. Range of tank temperature measuring: 0°C ~110°C
7. Suitable power of pump: 1 pumps possible to be connected, power of each pump ≤ 300W . Suitable power of electrical heater 1PC, ≤ 1500W.
8. Inputs: 3 sensors, 1pcs*Pt1000 sensor (≤500°C) for collector (silicon cable≤280°C), 2pcs*NTC10K, B3950 sensor (≤ 135°C)for tank, (PVC cable ≤105°C),
9. Outputs:3 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature:-10°C ~ 50°C.
12. Water proof grade: IP43.

2011 NEW PRODUCT!

8 application system can be programed!

Datalogging onto SD memory card!
Internet access!

APPLICATIONS CAPACITY

1. Max.number of collectors:2
2. Max.number of storage tanks:2
3. Max.number of relays:4
4. Max.number of sensors:5
5. Max.number of application system:8

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $2^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and fahrenheit transferring
9. Maximum temperature of tank (2*storage tanks)
10. Maximum turnoff temperature (for solid fuel boiler, return heating, heat transferring between tanks)
11. Minimum turn-on temperature (for solid fuel boiler, return heating, heating transferring between tanks)
12. Anti-Legionella function
13. Temperature controlled hot water circulation pump
14. Switch on/off temperature of solid fuel boiler (Independent of system)
15. RPM speed controlling(2*semiconductors)
16. Thermal energy measuring
17. Priority logic of multiple-tanks(2*storage tanks)
18. Pump interval function
19. Thermostat function(Independent of system)
20. High temperature by-pass function (Collector cooling down)
21. Solar circulation Bypass
22. Datalogging onto SD memory card
23. Internet access
24. Manual Control(for 4 outputs:P1,P2,R1,H1)
25. Password setting
26. Recovery to factory setting
27. Holiday function
28. Manual Heating
29. Temperature query function
30. Memory Protection
31. Screen protection
32. Trouble shooting
33. Trouble protection
34. Trouble checking

TECHNICAL DATA

1. Dimension: 188mm x140mm x42mm
2. Power supply: 200V-240V AC or 100V-130V AC,50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 4 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
8. Inputs:5 sensors, 2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cable $\leq 280^{\circ}\text{C}$), 3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.

2011 NEW PRODUCT!

26 application system can be programed!

Datalogging onto SD memory card!
Internet access!

APPLICATIONS CAPACITY

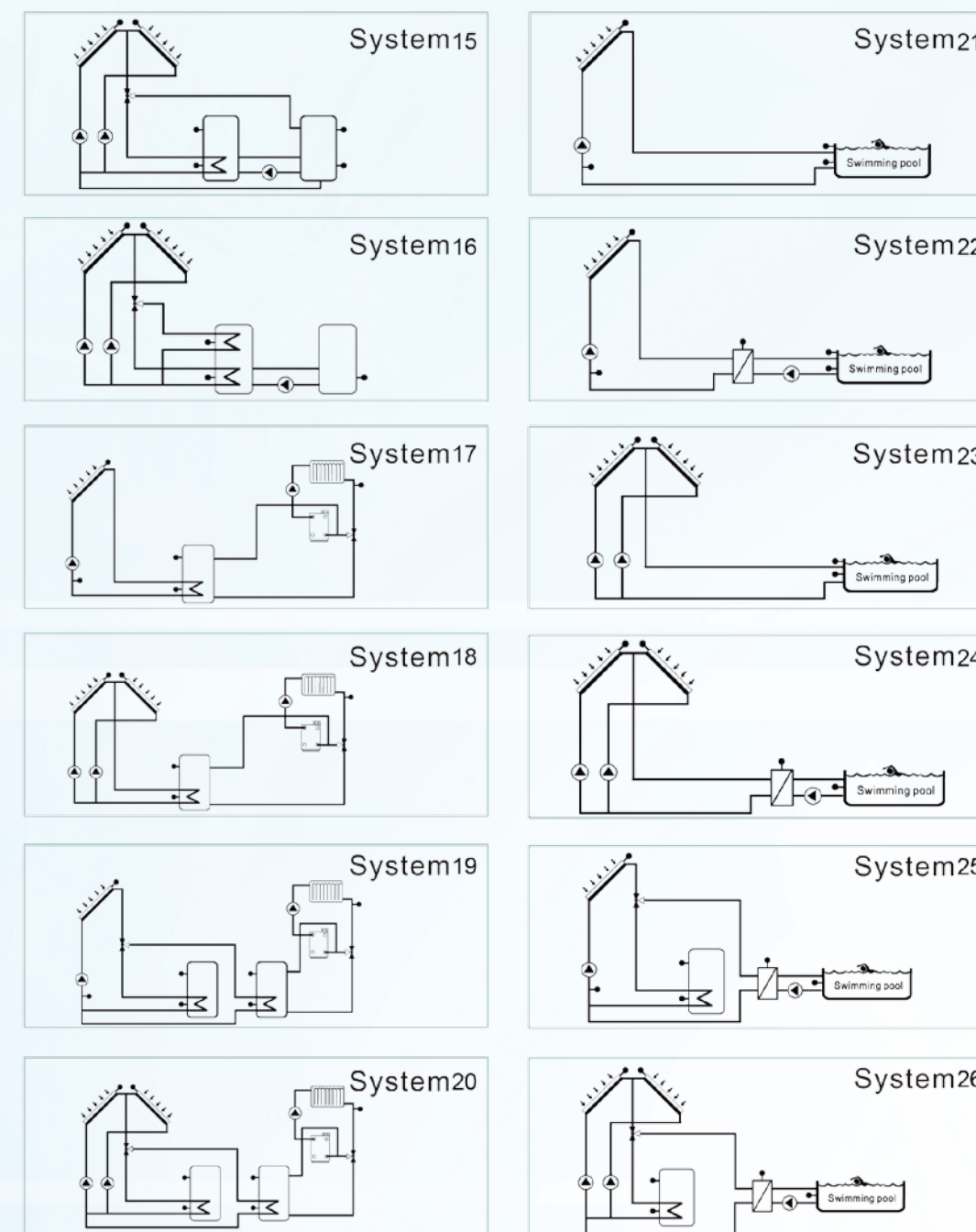
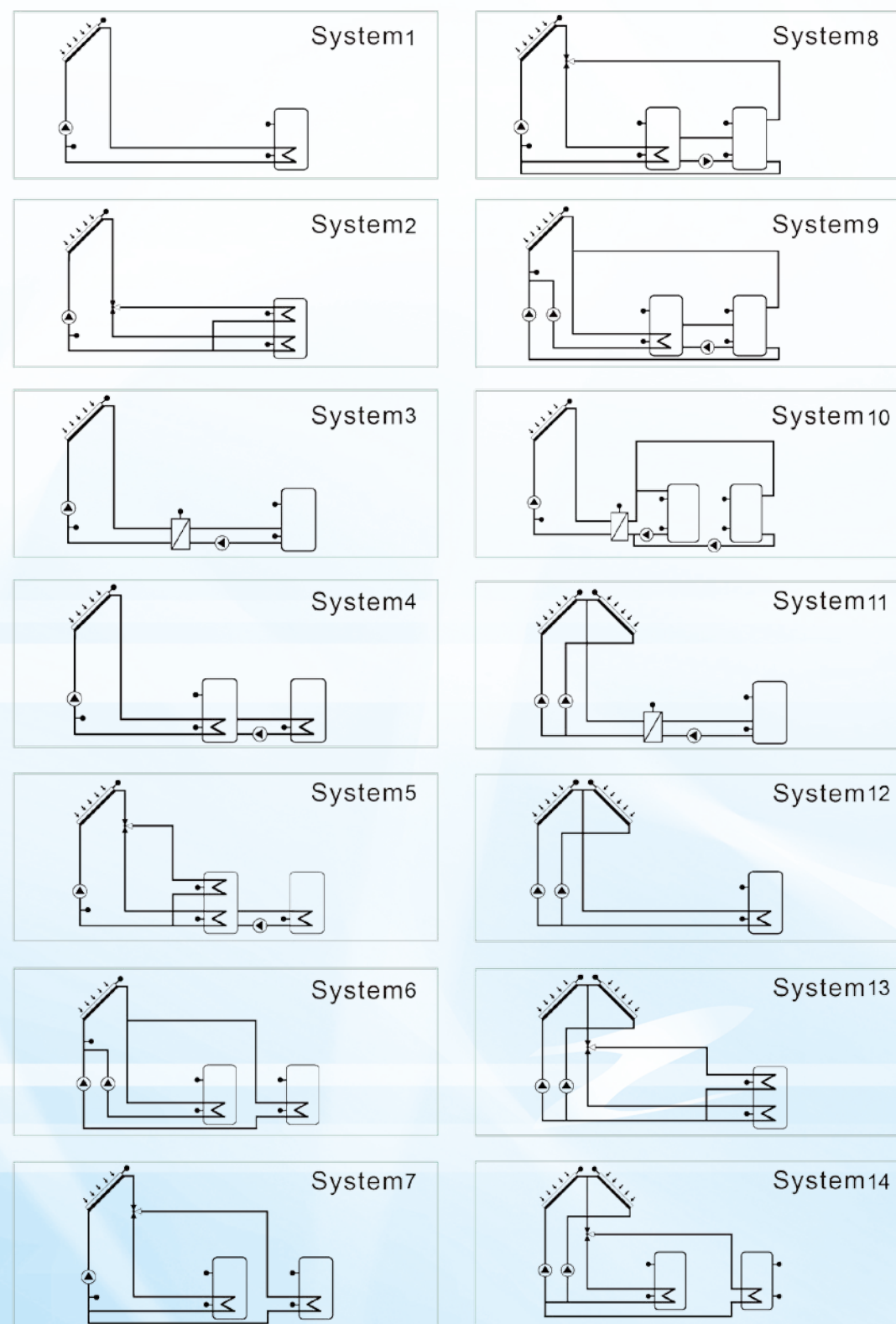
1. Max.number of collectors:2
2. Max.number of storage tanks:2
3. Max.number of relays:7
4. Max.number of sensors:8
5. Max.number of application system:26

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $3^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and fahrenheit transferring
9. Maximum temperature of tank (2*storage tanks)
10. Maximum turnoff temperature (for solid fuel boiler, return heating, heat transferring between tanks)
11. Minimum turn-on temperature (for solid fuel boiler, return heating, heating transferring between tanks)
12. Anti-Legionella function
13. Temperature controlled hot water circulation pump
14. Switch on/off temperature of solid fuel boiler (Independent of system)
15. RPM speed controlling(2*semiconductors)
16. Thermal energy measuring
17. Priority logic of multiple-tanks(2*storage tanks)
18. Pump interval function
19. Thermostat function(Independent of system)
20. High temperature by-pass function (Collector cooling down)
21. Solar circulation bypass
22. Circulating pump delay function
23. Datalogging onto SD memory card
24. Internet access
25. Manual Control(for 7 outputs:P1...P4,R1,R2,H1)
26. Password setting
27. Recovery to factory setting
28. Holiday function
29. Manual Heating
30. Temperature query function
31. Memory Protection
32. Screen protection
33. Trouble shooting
34. Trouble protection
35. Trouble checking

TECHNICAL DATA

1. Dimension: 200mm x115mm x45mm
2. Power supply: 200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 7 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
8. Inputs:8 sensors, 2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cable $\leq 280^{\circ}\text{C}$), 6pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:7 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.



2011 NEW PRODUCT!



APPLICATIONS CAPACITY

1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:4
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. High temperature by-pass function (Collector cooling down)
13. Manual Control(for 4 outputs:P1,P2,R1,H1)
14. Password setting
15. Recovery to factory setting
16. Holiday function
17. Manual Heating
18. Temperature query function
19. Memory Protection
20. Screen protection
21. Trouble shooting
22. Trouble protection
23. Trouble checking

TECHNICAL DATA

1. Dimension: 120mm x120mm x23mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
Suitable power of electrical heater 1PC, $\leq 1500\text{W}$.
8. Inputs: 4 sensors,
1pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.



2011 NEW PRODUCT!



APPLICATIONS CAPACITY

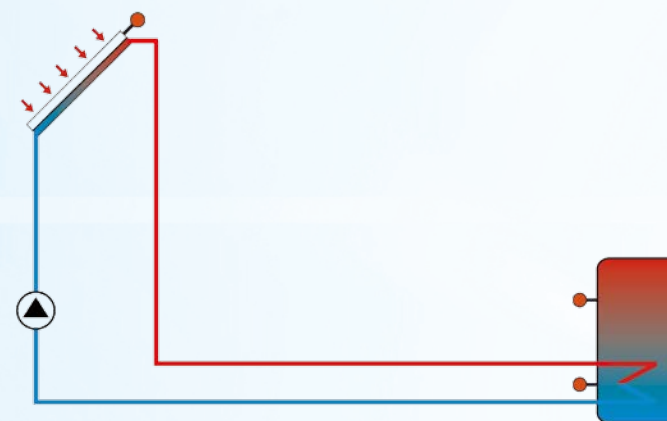
1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:5
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. RPM speed controlling(1*semiconductor)
13. Thermal energy measuring
14. Pump interval functions.
15. High temperature by-pass function (Collector cooling down)
16. Manual Control(for 4 outputs:P1,P2,R1,H1)
17. Password setting
18. Recovery to factory setting
19. Holiday function
20. Manual Heating
21. Temperature query function
22. Memory Protection
23. Screen protection
24. Trouble shooting
25. Trouble protection
26. Trouble checking

TECHNICAL DATA

1. Dimension: 120mm x120mm x23mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
Suitable power of electrical heater 1PC, $\leq 1500\text{W}$.
8. Inputs: 5 sensors,
2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$).
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.





APPLICATIONS CAPACITY

1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:4
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. High temperature by-pass function (Collector cooling down)
13. Manual Control(for 4 outputs:P1,P2,R1,H1)
14. Password setting
15. Recovery to factory setting
16. Holiday function
17. Manual Heating
18. Temperature query function
19. Memory Protection
20. Screen protection
21. Trouble shooting
22. Trouble protection
23. Trouble checking

TECHNICAL DATA

1. Dmension: 120mm x120mm x18mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: $\leq 3W$
4. Accuracy of temperature measuring: $\pm 2^{\circ}C$
5. Range of collector temperature measuring: $-10^{\circ}C \sim 200^{\circ}C$
6. Range of tank temperature measuring: $0^{\circ}C \sim 110^{\circ}C$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $< 300W$.
Suitable power of electrical heater 1PC, $\leq 1500W$.
8. Inputs: 4 sensors,
1pcs*Pt1000 sensor ($\leq 500^{\circ}C$) for collector (silicon cable $\leq 280^{\circ}C$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}C$) for tank, (PVC cable $\leq 105^{\circ}C$),
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}C \sim 50^{\circ}C$.
11. Water proof grade: IP40.



APPLICATIONS CAPACITY

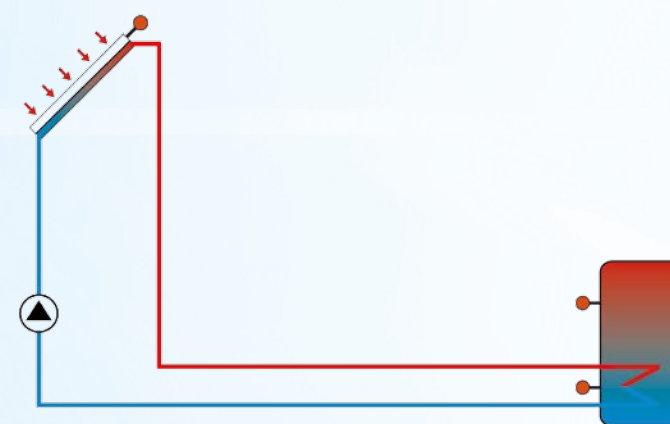
1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:5
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. RPM speed controlling(1*semiconductor)
13. Thermal energy measuring
14. Pump interval functions.
15. High temperature by-pass function (Collector cooling down)
16. Manual Control(for 4 outputs:P1,P2,R1,H1)
17. Password setting
18. Recovery to factory setting
19. Holiday function
20. Manual Heating
21. Temperature query function
22. Memory Protection
23. Screen protection
24. Trouble shooting
25. Trouble protection
26. Trouble checking

TECHNICAL DATA

1. Dmension: 120mm x120mm x18mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: $< 3W$
4. Accuracy of temperature measuring: $\pm 2^{\circ}C$
5. Range of collector temperature measuring: $-10^{\circ}C \sim 200^{\circ}C$
6. Range of tank temperature measuring: $0^{\circ}C \sim 110^{\circ}C$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $\leq 300W$.
Suitable power of electrical heater 1PC, $\leq 1500W$.
8. Inputs: 5 sensors,
2pcs*Pt1000 sensor ($\leq 500^{\circ}C$) for collector (silicon cable $\leq 280^{\circ}C$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}C$) for tank, (PVC cable $\leq 105^{\circ}C$).
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}C \sim 50^{\circ}C$.
11. Water proof grade: IP40.





APPLICATIONS CAPACITY

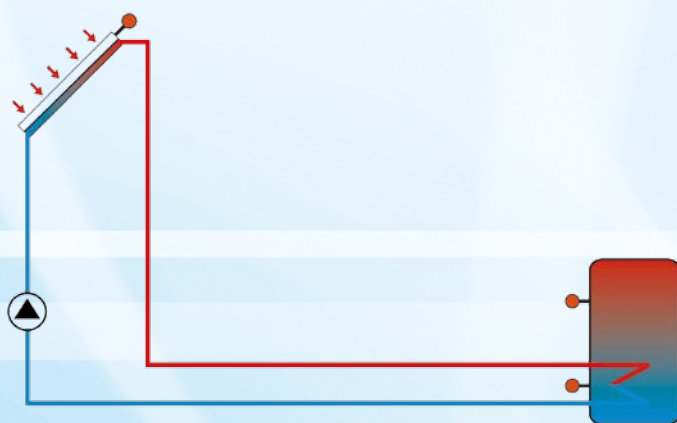
1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:4
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. High temperature by-pass function (Collector cooling down)
13. Manual Control(for 4 outputs:P1,P2,R1,H1)
14. Password setting
15. Recovery to factory setting
16. Manual Heating
17. Temperature query function
18. Memory Protection
19. Screen protection
20. Trouble shooting
22. Trouble protection
23. Trouble checking

TECHNICAL DATA

1. Dmension: 200mm x140mm x43mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz. .
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
Suitable power of electrical heater 1PC, $\leq 1500\text{W}$.
8. Inputs: 4 sensors,
1pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cable $\leq 280^{\circ}\text{C}$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.



APPLICATIONS CAPACITY

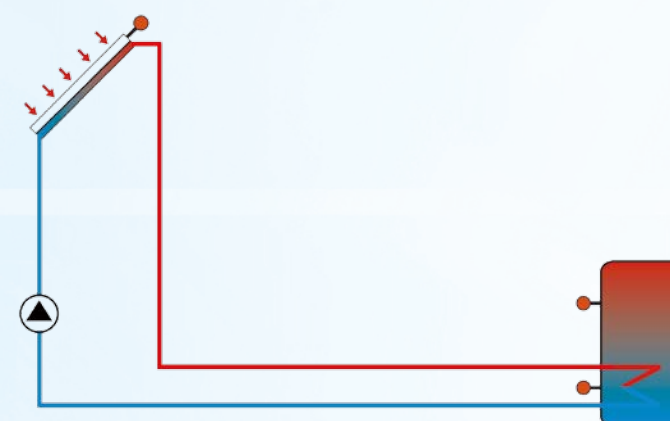
1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:4
4. Max.number of sensors:5
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Anti-Legionella function
11. Temperature controlled hot water circulation pump
12. RPM speed controlling(1*semiconductor)
13. Thermal energy measuring
14. Pump interval functions.
15. High temperature by-pass function (Collector cooling down)
16. Manual Control(for 4 outputs:P1,P2,R1,H1)
17. Password setting
18. Recovery to factory setting
19. Holiday function
20. Manual Heating
21. Temperature query function
22. Memory Protection
23. Screen protection
24. Trouble shooting
25. Trouble protection
26. Trouble checking

TECHNICAL DATA

1. Dmension: 200mm x140mm x43mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz. .
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 3 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
Suitable power of electrical heater 1PC, $\leq 1500\text{W}$.
8. Inputs: 5 sensors,
2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cable $\leq 280^{\circ}\text{C}$),
3pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$).
9. Outputs:4 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.





APPLICATIONS CAPACITY

1. Max.number of collectors:1
2. Max.number of storage tanks:1
3. Max.number of relays:2
4. Max.number of sensors:3
5. Max.number of application system:1

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $1^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Celsius and Fahrenheit temperature switch
9. Maximum temperature of tank (1*storage tank)
10. Manual Control(for 2 outputs:P1,H1)
11. Password setting
12. Recovery to factory setting
13. Manual Heating
14. Temperature query function
15. Memory Protection
16. Screen protection
17. Trouble shooting
18. Trouble protection
19. Trouble checking

TECHNICAL DATA

1. Dmension: 178mm x120mm x43mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz. .
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 2 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
8. Inputs: 3 sensors, 1pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$), 2pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:2 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.

APPLICATIONS CAPACITY

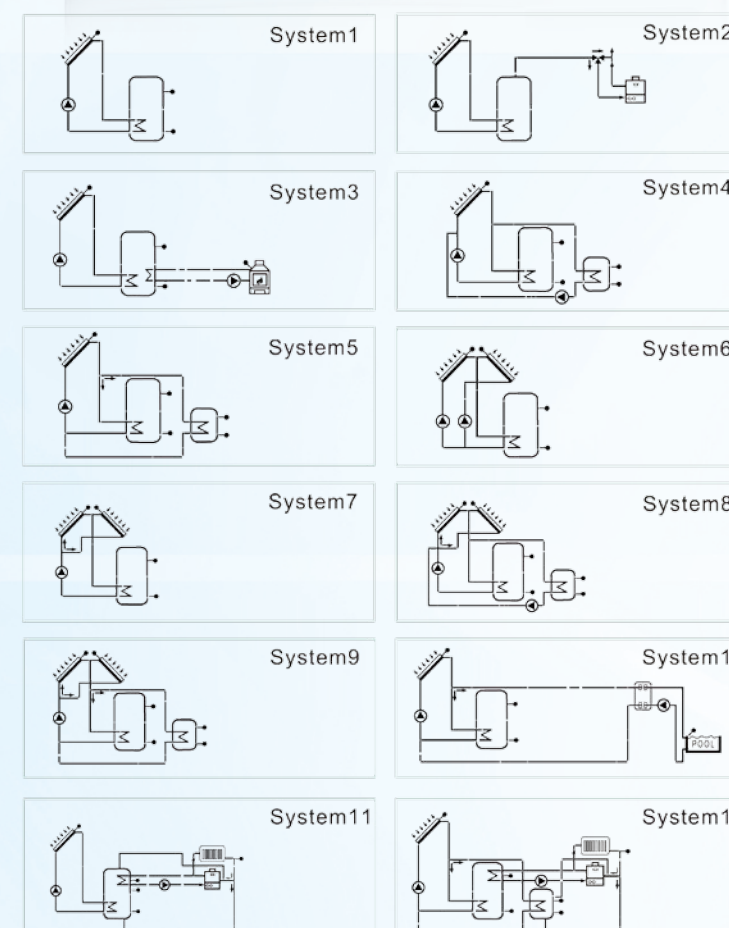
1. Max.number of collectors:2
2. Max.number of storage tanks:2
3. Max.number of relays:5
4. Max.number of sensors:7
5. Max.number of application system:12

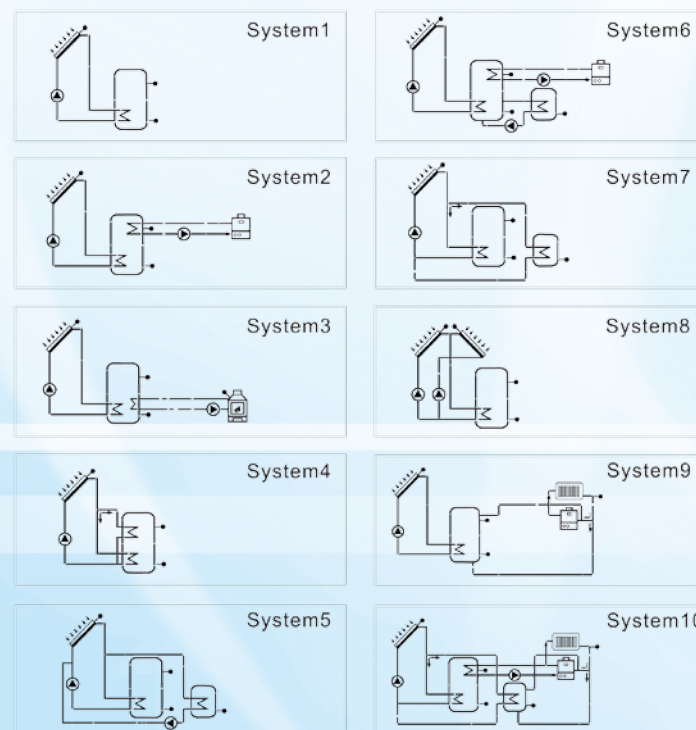
MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $2^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Maximum temperature of tank (2*storage tanks)
9. Maximum turnoff temperature (for solid fuel boiler, return heating, heat transferring between tanks)
10. Minimum turnon temperature (for solid fuel boiler, return heating, heating transferring between tanks)
11. Anti-Legionella function
12. Temperature controlled hot water circulation pump
13. RPM speed controlling(1*semiconductor)
14. Thermal energy measuring
15. Priority logic of multiple-tanks(2*storage tanks)
16. Pump interval function
17. High temperature by-pass function (Collector cooling down)
18. Manual Control(for 5 outputs:R1...R4,H1)
19. Password setting
20. Recovery to factory setting
21. Holiday function
22. Manual Heating
23. Temperature query function
24. Memory Protection
25. Screen protection
26. Trouble shooting
27. Trouble protection
28. Trouble checking

TECHNICAL DATA

1. Dmension: 210mm x145mm x48mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 4 pumps possible to be connected, power of each pump $\leq 300\text{W}$. Suitable power of electrical heater 1PC, $\leq 1500\text{W}$.
8. Inputs: 7 sensors, 2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$), 5pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
9. Outputs:5 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.





APPLICATIONS CAPACITY

1. Max.number of collectors:2
2. Max.number of storage tanks:2
3. Max.number of relays:5
4. Max.number of sensors:6
5. Max.number of application system:10

MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $2^{\circ}\Delta T$
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Maximum temperature of tank (2*storage tanks)
9. Maximum turnoff temperature (for solid fuel boiler, return heating, heat transferring between tanks)
10. Minimum turnon temperature (for solid fuel boiler, return heating, heating transferring between tanks)
11. Anti-Legionella function
12. Temperature controlled hot water circulation pump
13. RPM speed controlling (1*semiconductor)
14. Thermal energy measuring
15. Priority logic of multiple-tanks(2*storage tanks)
16. High temperature by-pass function (Collector cooling down)
17. Manual Control(for 5 outputs:R1...R4,H1)
18. Password setting
19. Recovery to factory setting
20. Holiday fucntion
21. Manual Heating
22. Temperature query function
23. Memory Protection
24. Screen protection
25. Trouble shooting
26. Trouble protection
27. Trouble checking

TECHNICAL DATA

1. Dmension: 191mm x140mm x40mm
2. Power supply:200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 5 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
8. Inputs: 6 sensors, 2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$), 4pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$).
9. Outputs:5 relays, for circulation pumps or 3-way electromagnetic valve.
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.

2011 NEW PRODUCT!

39 application system can be programe!



APPLICATIONS CAPACITY

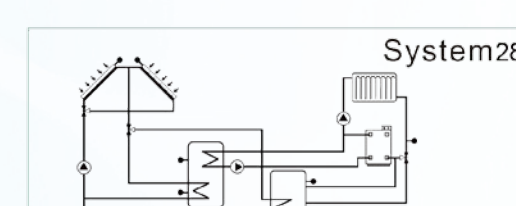
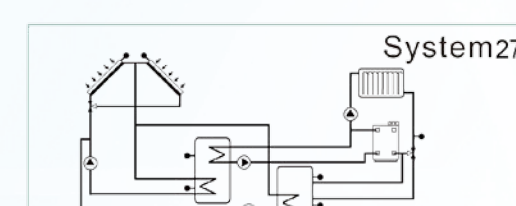
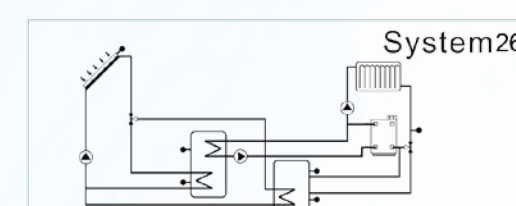
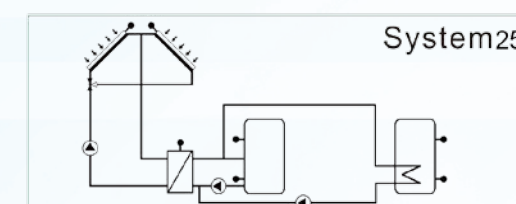
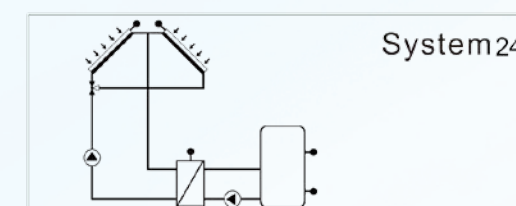
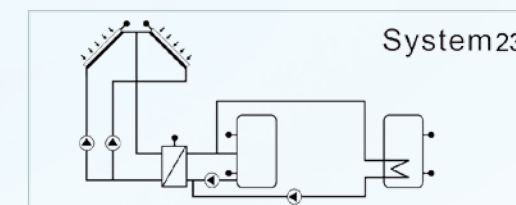
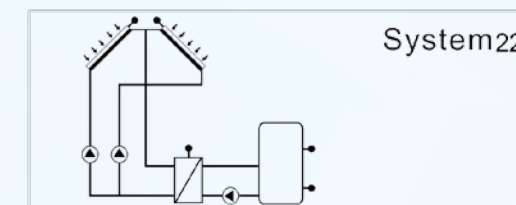
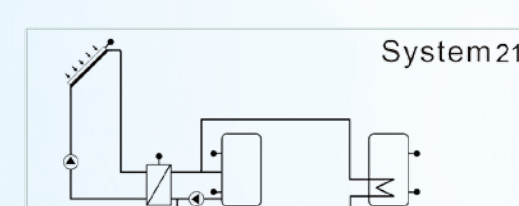
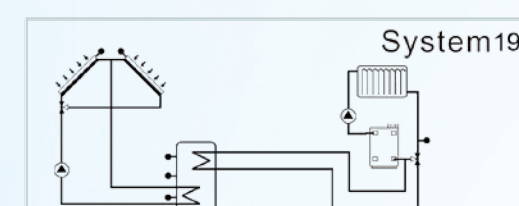
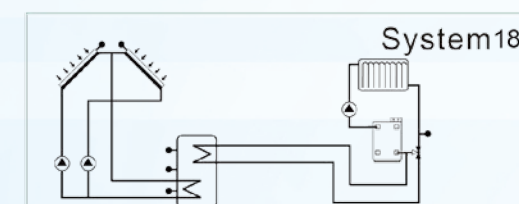
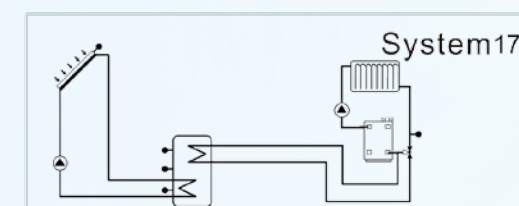
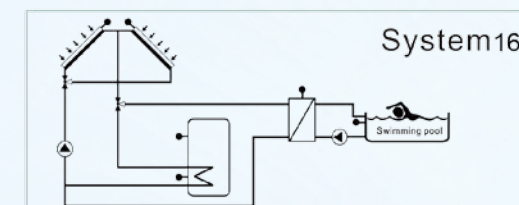
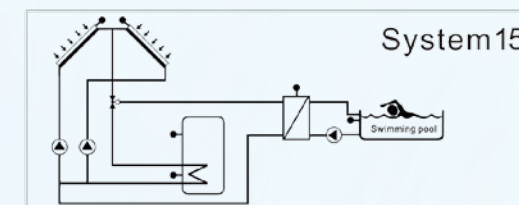
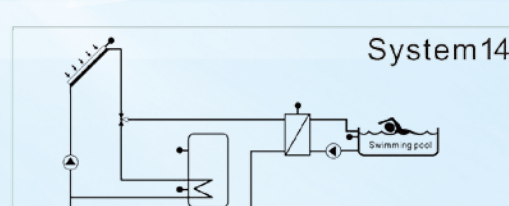
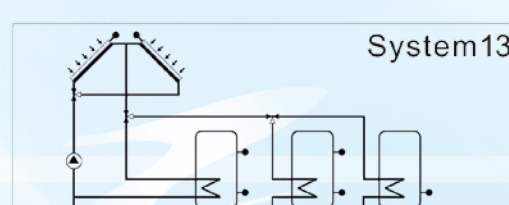
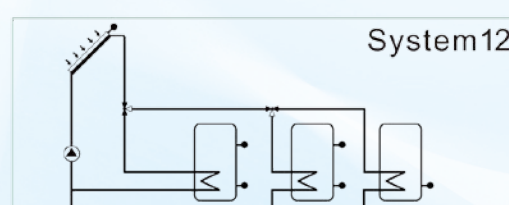
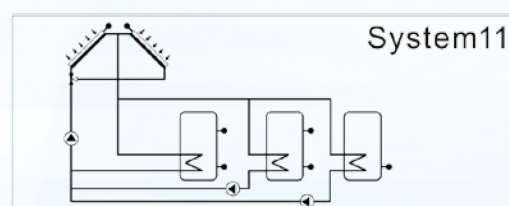
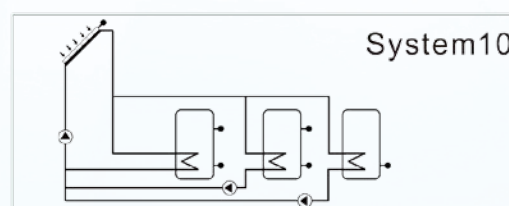
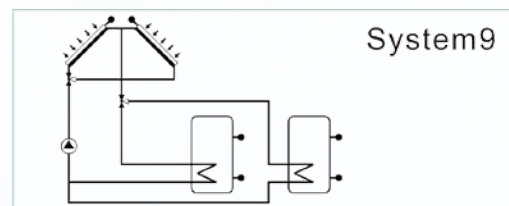
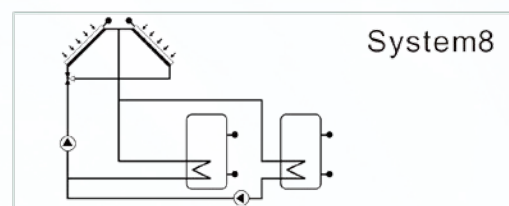
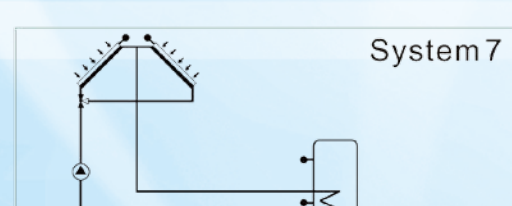
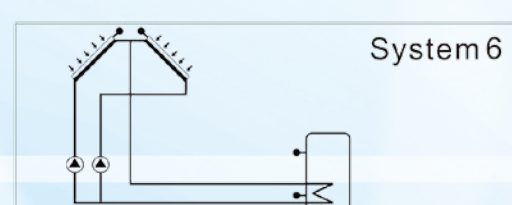
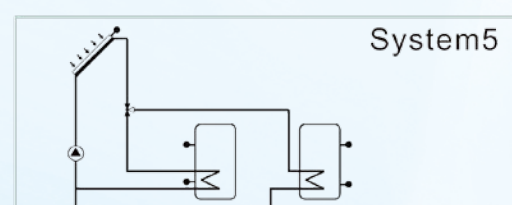
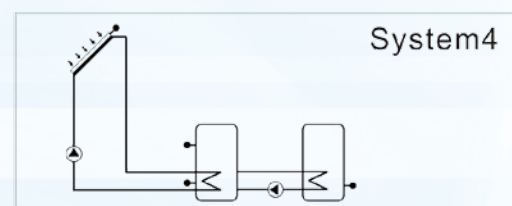
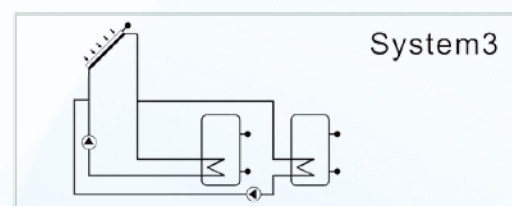
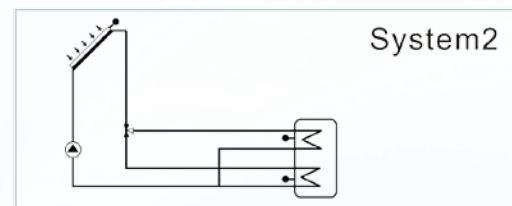
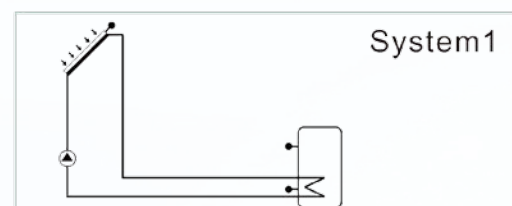
1. Max.number of collectors:2
2. Max.number of storage tanks:3
3. Max.number of relays:9
4. Max.number of sensors:12
5. Max.number of application system:39

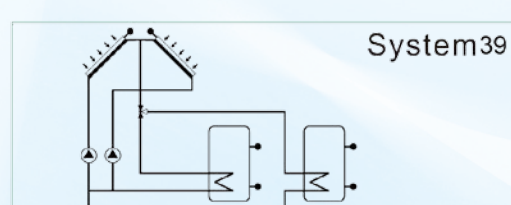
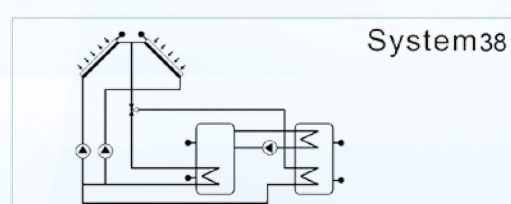
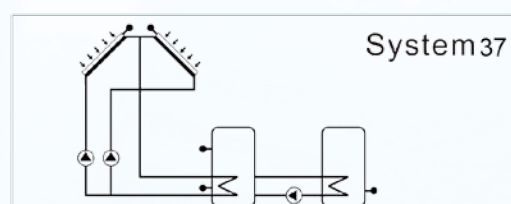
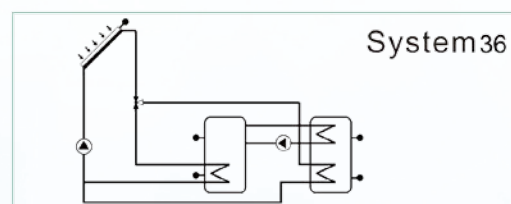
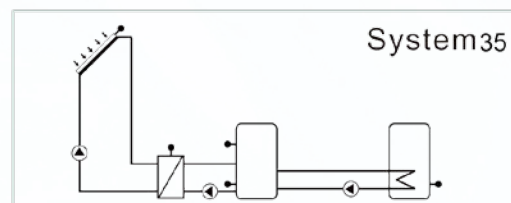
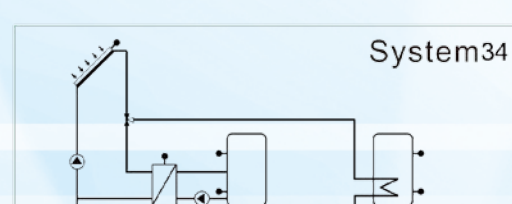
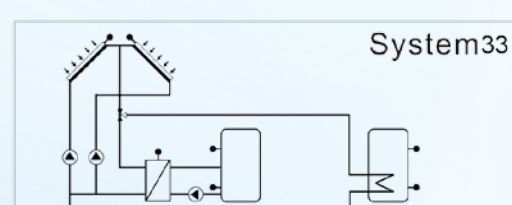
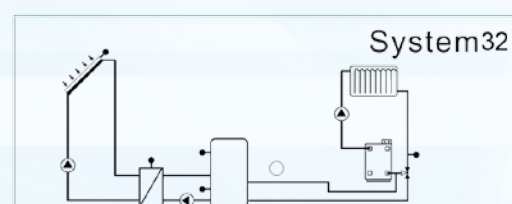
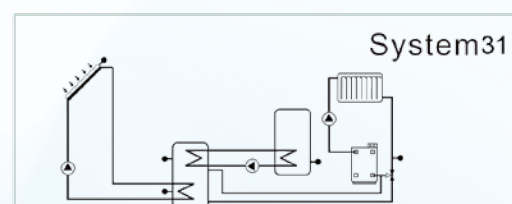
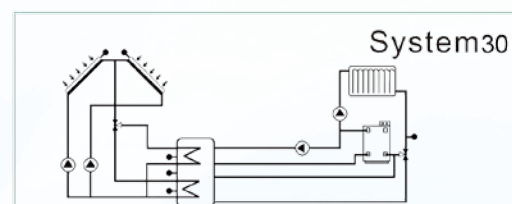
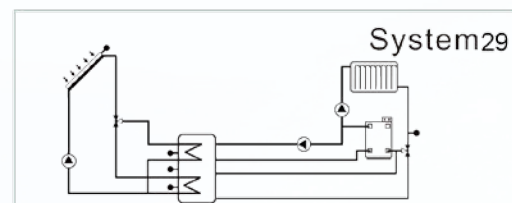
MAIN FUNCTIONS

1. Timing heating
2. Temperature difference control $4^{\circ}\Delta T$ ($\Delta T4$ independent of system)
3. Collector emergency shutdown
4. Collector cooling function
5. Collector low temperature protection
6. Collector frost protection
7. Tank re-cooling function
8. Maximum temperature of tank (3*storage tanks)
9. Maximum turnoff temperature (for solid fuel boiler, return heating, heat transferring between tanks)
10. Minimum turn-on temperature (for solid fuel boiler, return heating, heating transferring between tanks)
11. Anti-Legionella function
12. Temperature controlled hot water circulation pump
13. Switch on/off temperature of solid fuel boiler (Independent of system)
14. RPM speed controlling(2*semiconductors)
15. Thermal energy measuring
16. Priority logic of multiple-tanks(3*storage tanks)
17. Pump interval function
18. Thermostat function(Independent of system)
19. High temperature by-pass function (Collector cooling down)
20. Manual Control(for 9 outputs:P1...P5,R1...R3,H1)
21. Password setting
22. Recovery to factory setting
23. Holiday function
24. Manual Heating
25. Temperature query function
26. Memory Protection
27. Screen protection
28. Trouble shooting
29. Trouble protection
30. Trouble checking

TECHNICAL DATA

1. Dmension: 190mm x140mm x40mm
2. Power supply: 200V-240V AC or 100V-130V AC, 50-60Hz.
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of collector temperature measuring: $-10^{\circ}\text{C} \sim 200^{\circ}\text{C}$
6. Range of tank temperature measuring: $0^{\circ}\text{C} \sim 110^{\circ}\text{C}$
7. Suitable power of pump: 9 pumps possible to be connected, power of each pump $\leq 300\text{W}$.
8. Inputs: 12 sensors, 2pcs*Pt1000 sensor ($\leq 500^{\circ}\text{C}$) for collector (silicon cables $\leq 280^{\circ}\text{C}$), 10pcs*NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$).
9. Outputs:9 relays, for circulation pumps or 3-way electromagnetic valve
10. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
11. Water proof grade: IP40.



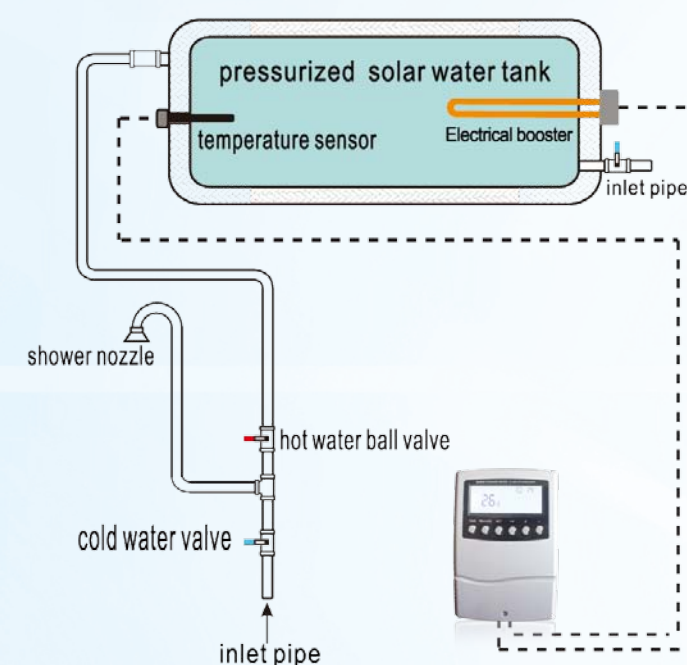


MAIN FUNCTIONS

1. Time display
2. Temperature display
3. Timing heating at three time sections
4. Manual heating
5. Memory protection when power is failure
6. Trouble indication of sensor

TECHNICAL DATA

1. Appearance of controller: see product itself (dimension: 179mm x120mm x43mm)
2. Power supply: AC230V $\pm 10\%$
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of tank temperature measuring: $0 \sim 100^{\circ}\text{C}$
6. Suitable power of electrical heater, $\leq 2000\text{W}$
7. Inputs: 1 piece NTC10K, B3950 sensor ($\leq 135^{\circ}\text{C}$) for tank, (PVC cable $\leq 105^{\circ}\text{C}$),
8. Outputs: 1 relay, for electrical heating
9. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
10. Water proof grade: IP40.



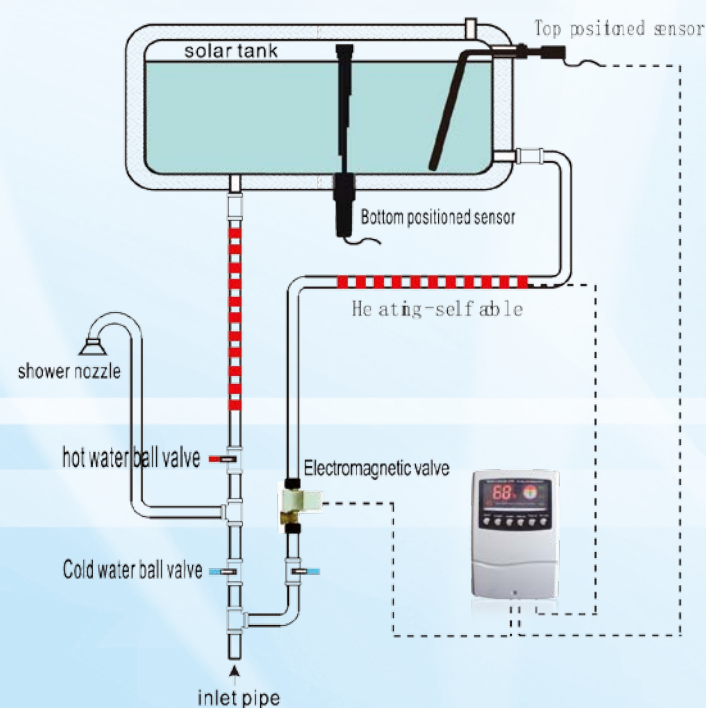


MAIN FUNCTIONS

1. Water temperature display
2. Water level display
3. Water level pre-setup
4. Manual water loading
5. Temperature controlled water loading
6. Timing water loading
7. Water loading when tank is lack of water
8. Compulsive water loading
9. Increasing Water pressure during water is loaded.
10. Hot water circulation
11. Hot water pipe insulation
12. Low pressure protection
13. Collector tube protection

TECHNICAL DATA

1. Appearance of controller: see product itself (dimension: 170mm x128mm x40mm)
2. Power supply: A230V±10%
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of tank temperature measuring: $0 \sim 99^{\circ}\text{C}$
6. Range of temperature display: $0 \sim 99^{\circ}\text{C}$
7. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
8. Water proof grade: IP41.
9. Socket : choice by customer

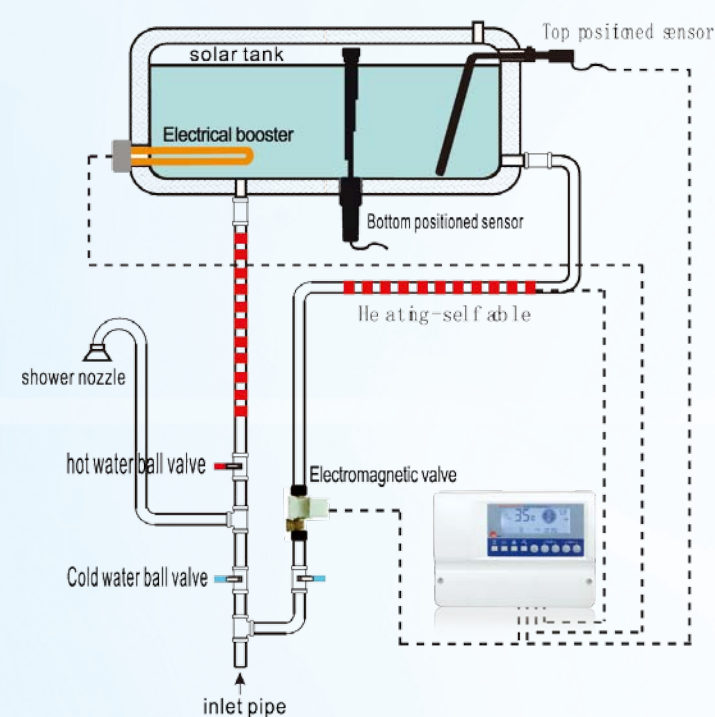


MAIN FUNCTIONS

1. Time display
2. Water temperature display
3. Water level display
4. Auto mode
5. Water level pre-setup
6. Manual water loading
7. Temperature controlled water loading
8. Timing water loading
9. Water loading when tank is lack of water
10. Compulsive water loading
11. Increasing Water pressure during water is loaded.
12. Manual heating
13. Timing heating
14. Hot water circulation
15. Hot water pipe insulation
16. Low pressure protection
17. Collector tube protection
18. Memory protection when power is fault

TECHNICAL DATA

1. Appearance of controller: see product itself (dimension: 210mm x145mm x48mm)
2. Power supply: A230V±10%
3. Power consumption: < 3W
4. Accuracy of temperature measuring: $\pm 2^{\circ}\text{C}$
5. Range of tank temperature measuring: $0 \sim 99^{\circ}\text{C}$
6. Range of temperature display: $0 \sim 99^{\circ}\text{C}$
7. Suitable power of pump: 2 pumps possible to be connected, power of each pump $\leq 600\text{W}$
8. Suitable power of electrical booster: standard $\leq 2000\text{W}$.
9. Ambient temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.
10. Water proof grade: IP40.
11. Socket : choice by customer

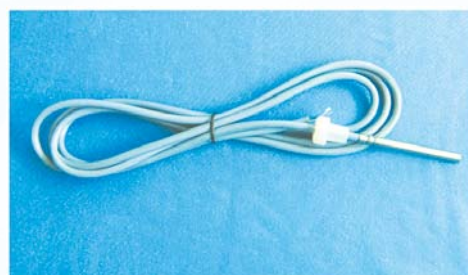


Accessories

Suitable for separated pressurized solar system



A01 Temperature sensor
Parameter: PT100 ϕ 6*50mm



A02 Temperature sensor
Parameter:NTC10K,B=3950, ϕ 6*50mm



A05 Temperature sensor
Parameter: ϕ 8*200mm



A06 Filling and flushing unit

Accessories

Suitable for integrated un-pressurized solar system



B01 Temperature & water level sensor installed on top



B02 Temperature & water level sensor installed on bottom



B04 Electromagnetic valve
Parameter: AC220V/DV12V



SR802 Dimension:100mm×100mm×65mm
Voltage Max:180V~264V/AC 50/60Hz
Resistive:25A (4KW)
Inductive:2HP (1492W motor)
Power:≤ 4000W
Enclosure construction:ABS-impact resistant,UL94 V-0
Operation temperature:-10~50°C
Water proof grade:IP43