

INSTALLATION INSTRUCTIONS

WIRING



Wiring is based upon the RESOL DeltaSol ES Solar Controller, Set to Arrangement 19.

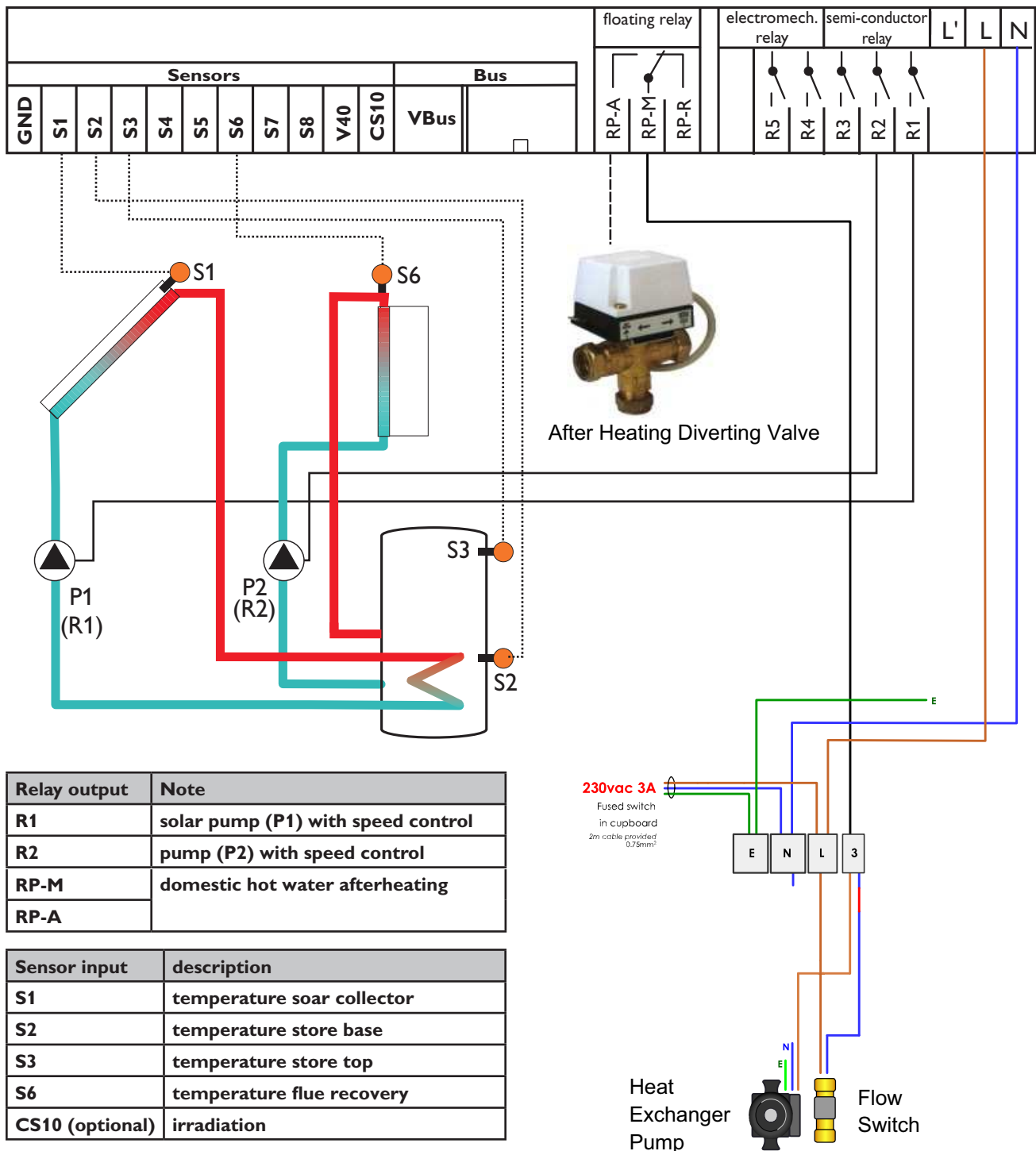
The Heat Bank, and all connected equipment, must be installed by a competent person. Correct function and operation must be checked. It is important that the incoming mains power supply has sufficient current and voltage, taking into account the supply requirements of the rest of the property.

All power supplies must be fitted with double pole isolation within the cylinder cupboard, as well as suitably rated MCB protection at distribution box.

The controller compares the temperatures at the collector sensors S1 and S6 to the store temperature at store sensor S2. If one of the measured temperature differences is higher than the adjusted switch-on temperature differences, the

corresponding pump (P1, P2) will be activated and the store will be loaded.

Domestic hot water afterheating (P3) is possible via a thermostat function (S3).



Ensure earth continuity throughout. In wiring diagrams, earth and neutral wires may be abbreviated for clarity.

channel	description	factory setting	change to	note
COL1	temperature collector 1	-----		
TSTL	temperature store base	-----		
TSTU	temperature store 1 top	-----		
COL2	temperature collector 2	-----		
IRR	irradiation	-----		
n1 %	speed relay 1	-----		
n2 %	speed relay 2	-----		
h P1	operating hours relay 1	-----		
h P2	operating hours relay 2	-----		
h P3	operating hours relay 3	-----		
TIME	time	-----		Adjust the actual clock time.
Arr	arrangement choice	1	19	Arrangement 19: 2 collector-system (east-/west collectors) with 1 store and domestic hot water afterheating
DT O	switch-on temperature difference	6.0 K		Adjust the desired switch-on temperature difference. Note: This value applies to collector 1 and 2
DT F	switch-off temperature difference	4.0 K		Adjust the desired switch-off temperature difference. Note: This value applies to collector 1 and 2
DT S	set temperature difference	10.0 K		Adjust the desired set temperature difference. Note: This value applies to collector 1 and 2
RIS	rise	2 K		If the adjusted temperature difference DTS is reached and if the temperature increases by the difference RIS, the speed will be increased by 10% respectively. Note: This value applies to collector 1 and 2
S MX	maximum store temperature	60 °C	90 °C	Adjust the desired maximum store temperature
EM1	emergency temperature collector 1	140 °C		Adjust this value to 200 °C when the collector emergency shutdown function should not start.
OCX1	option collector cooling collector 1	OFF		
OCN1	option minimum limitation collector 1	OFF		
OCF1	option frost protection collector 1	OFF		
EM2	emergency temperature collector 2	140 °C		Adjust this value to 200 °C when the collector emergency shutdown function should not start.
OCX2	option collector cooling collector 2	OFF		
OCN2	option minimum limitation collector 2	OFF		
OCF2	option frost protection collector 2	OFF		
OREC	option recooling	OFF		
OTC	option tube collector	OFF		
NH O	switch-on temperature thermostat 1	40.0 °C	50 °C	Adjust the desired switch-on temperature for domestic hot water afterheating
NH F	switch-off temperature thermostat 1	45.0 °C	90 °C	Adjust the desired switch-off temperature for domestic hot water afterheating