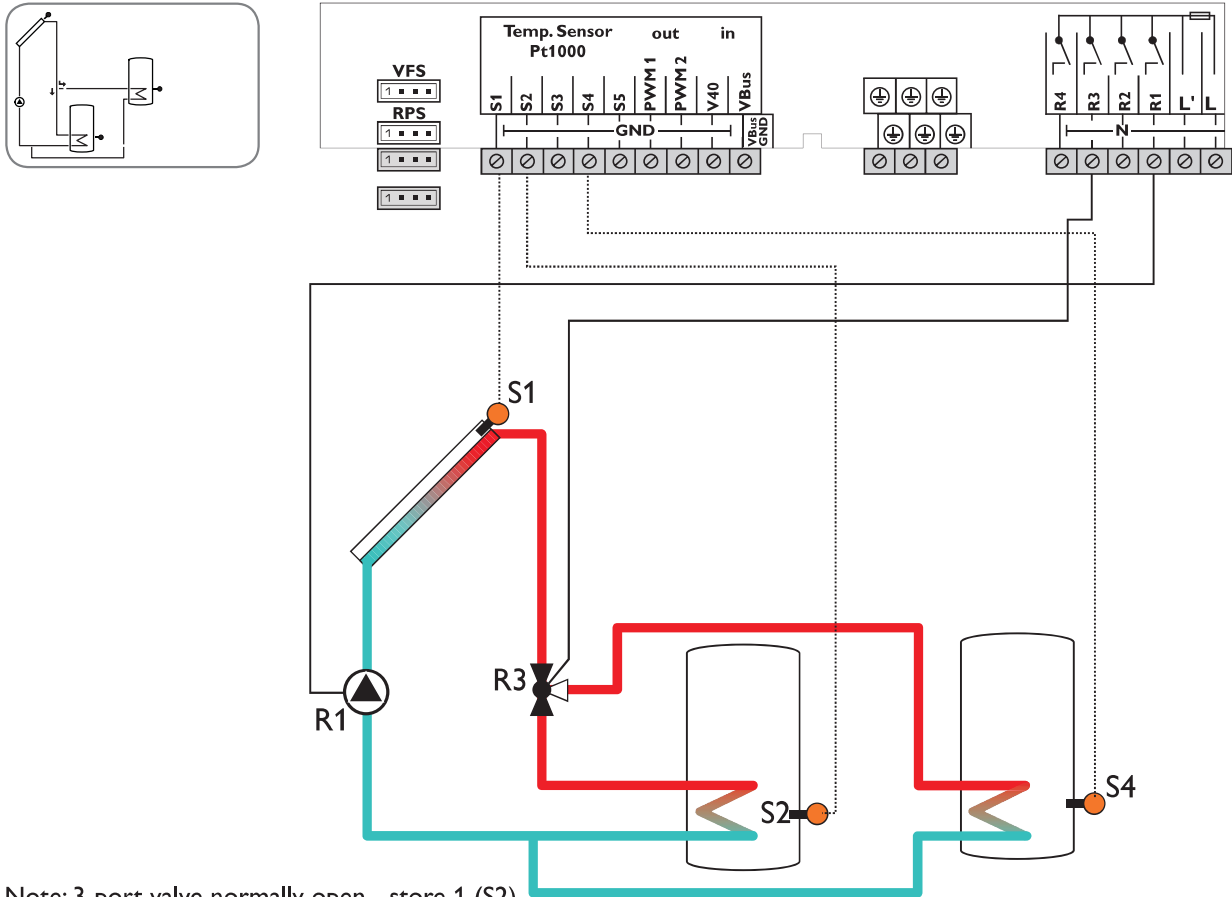


System 5

2-store system with valve logic, 1 pump, 3 sensors and 3-port valve

The controller compares the temperature at sensor S1 to the temperatures at sensors S2 and S4. If the measured temperature differences are higher than the adjusted switch-on temperature differences, the pump (R1) will be activated and

the corresponding store will be loaded up to the adjusted maximum temperature via the valve (R3). Store 1 is loaded with priority.



Note: 3-port valve normally open - store 1 (S2)

Sensor/Terminal	Designation	Description
S1	TCOL	Temperature collector
S2	TST1B	Temperature store 1 base
S3		Optional sensor for measurement purposes or options
S4	TST2B	Temperature store 2 base
S5		Optional sensor for measurement purposes or options
VFS		
RPS		
V40		

Relay	Description
R1	Solar pump
R2/R4	optional: Thermal disinfection Parallel relay
R3	Heat dump 3-port valve store 1/2

Adjustment channels						
Channel	Sub channel 1	Sub channel 2	Factory setting	Change to	Description	Page
ARR			1	5	System	78
LOAD1 >					Loading 1	
	DT1O		6 K		Switch-on temperature difference 1	78
	DT1F		4 K		Switch-off temperature difference 1	78
	DT1S		10 K		Set temperature difference 1	78
	RIS1		2 K		Rise 1	78
	S1MAX		60 °C		Store maximum limitation 1	78
	SMXS1		2		Sensor store max 1	79
LOAD2 >					Loading 2	
	DT2O		6 K		Switch-on temperature difference 2	78

Adjustment channels						
Channel	Sub channel 1	Sub channel 2	Factory setting	Change to	Description	Page
	DT2F		4 K		Switch-off temperature difference 2	78
	DT2S		10 K		Set temperature difference 2	78
	RIS2		2 K		Rise 2	78
	S2MAX		60 °C		Store maximum limitation 2	78
	SMXS2		4		Sensor store max 2	79
	LST2		ON		Loading store 2	79
COL >					Collector	
	CEM		130 °C		Collector emergency temperature	80
	OCCO**		OFF		Option collector cooling	80
		CMAX	110 °C		Maximum collector temperature	80
	OCCI		OFF		Option collector minimum limitation	80
		CMIN	10 °C		Minimum collector temperature	80
	OTCO		OFF		Option tube collector function	81
		TCST	07:00		Tube collector starting time	81
		TCEN	19:00		Tube collector ending time	81
		TCRU	30 s		Tube collector runtime	81
		TCIN	30 min		Tube collector standstill interval	81
	OCFR		OFF		Option collector frost protection	81
		CFR O	4 °C		Antifreeze temperature collector on	81
		CFR F	5 °C		Antifreeze temperature collector off	81
		FRPST	1		Antifreeze store selection	81
LLOGI >					Loading logic	
	PRIO				Priority logic	82
		PRIO	1		Priority logic	82
		OSTS	OFF		Store set option	82
		TST1	45 °C		Set store temperature store 1	82
		TST2	45 °C		Set store temperature store 2	82
	tLB		2 min		Loading break time	82
	tRUN		15 min		Circulation runtime	82
	PSPEE		OFF		Pause speed option	83
	PDELA		OFF		Pump delay option	83
	OOVRU*		OFF		Overrun option	84
COOL >					Cooling functions	
	OSYC**		OFF		System cooling	85
	OSTC		OFF		Store cooling	85
	OHDP**		OFF		Heat dump	85
PUMP >					Pump speed	
	PUMP1		OnOF		Speed variant pump 1	79
	PUMP2		OnOF		Speed variant pump 2	79
	PUMP3		OnOF		Speed variant pump 3	79
MAN >					Manual mode	
	MAN1		Auto		Manual mode 1	88
	MAN2		Auto		Manual mode 2	88
	MAN3		Auto		Manual mode 3	88
	MAN4		Auto		Manual mode 4	88
BLPR >			OFF		Blocking protection	88
OTDIS >			OFF		Thermal disinfection option	88
OPARR >			OFF		Parallel relay option	89
OHQM*** >			OFF		Heat quantity measurement option	90
GFDS >			OFF		Registration Grundfos sensors	90
PRS* >			OFF		Pressure monitoring option	92
DATE >					Enter date	92
LANG >			En		Language	93
UNIT >			°C		Unit	93
OSDC >					SD card option	93
CODE			0000		User code	96
RESET			OFF		Factory setting	

* This channel is only available if the Grundfos sensors have been registered in the **GFDS** channel.

** are blocked against each other

*** For heat quantity measurement see the information on p. 90.