

Differential Temperature Controls for Solar Systems



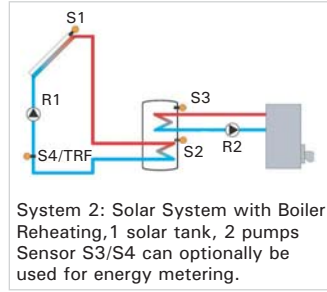
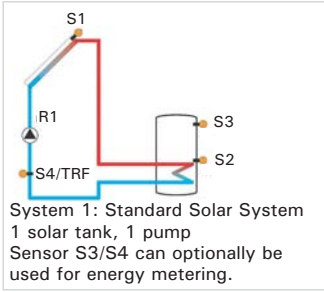
Get the best performance from your solar system with the right control solution. Now choose from a full range of controls for every level of application!

- SCU124 for basic single-load systems *New!*
- SCU224 for basic multi-load systems *New!*
- Communication accessories for data logging and system monitoring *New!*
- Solar-Divicon mounting kit accessory for SCU controls *New!*
- Vitosolic 200 for advanced multi-load and commercial systems

Control Comparison

	SCU124 <i>New!</i>	SCU224 <i>New!</i>	Vitosolic 200
Relay outputs	2	2	6
Sensor inputs	4	4	8
System layouts	2	9	15
Number of heat loads (tanks)	1	2	4
Additional ΔT control logic	-	1	2
Thermostat function (heat rejection, excess solar energy use, reheating by boiler)	1	1	2
kWh meter	✓	✓	✓
Emergency collector shut-off	✓	✓	✓
V-Bus accessories	✓	✓	✓
Pump operating hour counter	✓	✓	✓
Illuminated LCD display	✓	✓	✓
Collector cooling function (to protect glycol from overheating)	✓	✓	✓
East-west collector arrays	-	✓	✓
Boiler suppression	-	-	✓
External heat exchanger	-	-	✓
Bypass function	-	-	✓
Optional Solar-Divicon mounting kit	✓	✓	-

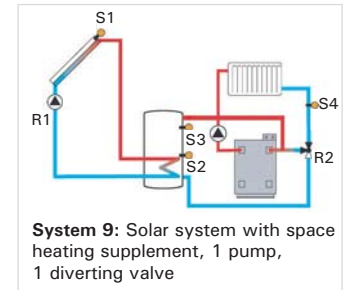
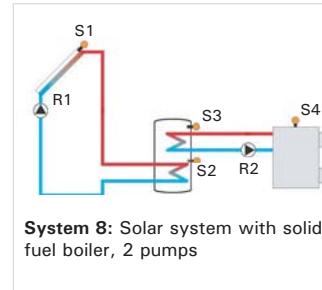
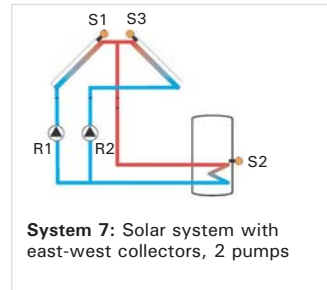
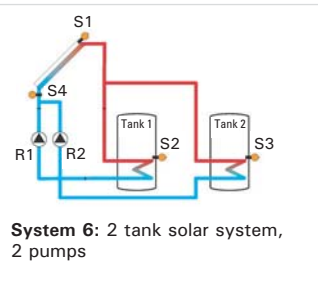
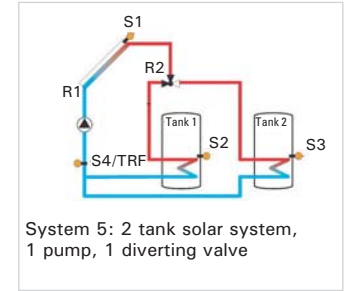
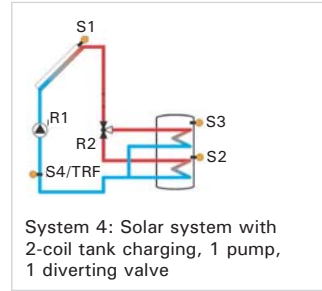
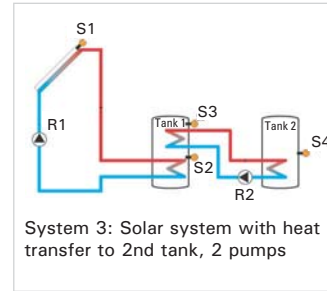
SCU124 System Layouts



Viessmann solar controls are capable of managing a wide variety of applications - from basic to very complex - and give you the versatility and the power to meet the various system design requirements.

SCU224 System Layouts

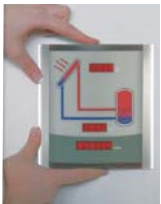
Please note:
The SCU124 System 1 and 2 layouts also apply to the SCU224 control.



Vitosolic 200 System Layouts

The Vitosolic 200 control can do all of the above system layouts, plus 6 additional multi-function systems. Refer to the Vitosolic 200 Installation Instructions for details.

Accessories



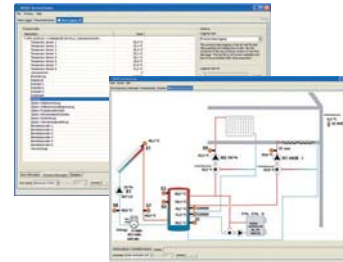
Smart Display



Datalogger



VBus to USB Adaptor



ServiceCentre Software



Solar-Divicon with Mounting Kit

The following new V-BUS accessories are available for SCU and Vitosolic 200 solar controls:

- **Smart Display** indicates collector and DHW tank temperature and solar energy yield (kWh)
- **Datalogger** (c/w memory, modem connection) captures system operating details for analysis using ServiceCenter software
- **VBus to USB Adaptor** c/w ServiceCenter software to view system activities and performance in real time

