

### **Remote (Wired) Room Thermostat**

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### **Remote (Wireless) Room Thermostat Siemens RF**

This thermostat has two parts, a base station and a wall mounted user control. The base station is usually factory fitted into a unit, with the user control packaged separately, but within the products transportation box. The controller is operated by battery and should be positioned appropriately by the installer.

### **Remote (Wired) Room Thermostat Siemens Tamper Proof**

This accessory measures room temperature and switches off the heater when the set temperature is reached. This thermostat is hard wired and connects directly into either the heater's terminal block or power supply. The thermostat has a secure cover that deters unwanted adjustment of the room temperature set point.

### **Remote (Wired) Room Thermostat Siemens Speed and Temperature Control (EC only)**

This accessory measures room temperature and switches off the heater when the set temperature is reached. Additionally, it has the ability to control the fan speed on our EC products. This thermostat is hard wired and connects directly into either the heater's terminal block. Normally, the thermostat would be ordered as part of a package that includes an EC Caspian heater and is prepared for use in our factory.

### **Wall mounted control switch**

Allows the product to be controlled from a switch mounted on the wall rather than the product. Linking to the heater is made by replacing the existing switch connections with the connections on the control switch.

### **Flexible hoses**

Flexible connections are a convenient way of connecting a heater into your system. They will provide an easy to achieve connection from your first-fix pipe work. In addition they will provide for a level of expansion and contraction in rigid pipe work and mitigating possible sound and vibration transmission.

### **Adjustable low temperature cut-out (LTC)**

This cut out device allows the user to set the water temperature (between 30°C and 90°C) at which the product will start to emit heat. It is more accurate than the standard fitted LTC (set at 35°C) and enables more flexible use with both low system temperature heat pumps and higher system temperature boilers including biomass that can produce 80°C flow temperatures.

### **Plinth**

The optional plinth creates an attractive floor standing unit and also conceals the pipe work from view. This can also be invaluable where it is necessary to prevent contact with heating pipes by vulnerable groups. A plinth can also add an additional level of protection from the ingress of dust on hard flooring surfaces.

### **Caspian EC linking kit (EC only)**

The linking kit allows for the creation of master and slave units (up to four units), by allowing a 0-10 V signal to be transmitted through its cabling. This allows one fan speed controller, or room thermostat to control multiple units. It can also be used to control multiple units by means of a BMS.

### **External control harness (EC only)**

This accessory is generally used to permit a remote manual speed adjustment on an EC variant Caspian. It is possible to provide speed control to a master unit and to then utilise the EC linking kit to link to any slave units.

### **Proportional Heat Output Controller (PHOC)**

This accessory controls the fan speed and hence the heat output of the unit. These controls are available in integral (low level units) and in a remote format (high level units). PHOC's are available in two standard temperature settings, either 15 - 25°C , or 11 - 21°C. When the room temperature is at or below the lowest set point (11°C or 15°C) the fan speed will run at its maximum speed to give fastest heat up time. As the room temperature increases towards the upper set point (21°C or 25°C), the fan speed modulates downwards towards a minimum level.

### **Thermostat T1**

This is a factory fitted air thermostat suited to both AC and EC products installed at low level. This control provides a tamperproof room temperature control and is ideal for use in public buildings.

### **Thermostat T2 (AC only)**

A T2 thermostat is used to control the fan speed on low level AC products only. The objective in using this control is to facilitate a faster heat up period in a room. An installer or commissioning engineer can determine the temperature set point at which the fan speed is changed from high to low. A typical set point would be 16°C, where temperatures below this level would trigger a higher fan speed.

### **Thermostat and Auto-Speed control (T1/T2)**

This accessory serves two purposes. Firstly, it becomes an integral room thermostat for the unit providing localised control and secondly, the heat output will be changed according to the temperature in the room. For example, the fan may work on full power up to 18°C and above this temperature move to a lower fan speed. Normally the fan speeds used will be medium and low.

# Accessories Matrix

Easy guide to accessories



Control	Model Ref	Product Codes	Products													
			Caspian SL		Caspian FF		Caspian UV		Caspian EXT		Caspian UVC		Caspian LST	Caspian Skyline		Ecovector
			EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	EC	AC	High/low
Adjustable low temperature cut-out (all Caspian models)	ALTC3	HACA33001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Thermostat T1 (low level models with AC or EC Motors)	TCAS T1	HACA33002	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Thermostat T2 (low level models with AC Motors)	TCAS T2	HACA33036		✓		✓		✓		✓		✓				
Thermostat (T1) & auto-speed Control (T2) (Low level models with AC motors)	TCAS T1-T2	HACA33003		✓		✓		✓		✓		✓				
External Control Harness (models with EC motors)	EXTCH	HHCA33004	✓		✓		✓		✓		✓			✓		
Caspian EC linking kit (Alt to EXTCH)	CASPWCK	HACA33068	✓		✓		✓		✓		✓			✓		
Proportional Heat Output Controller (models with EC motors) 15°-25°C (low level only)	PHOC 15-25	HACA33005	✓		✓		✓		✓		✓					
Proportional Heat Output Controller (models with EC motors) Remote Sensor 15°-25°C	PHOC 15-25 RS	HACA33037	✓		✓		✓		✓		✓			✓		
Proportional Heat Output Controller (models with EC motors) 11°-21°C (low level only)	PHOC 11-21	HACA33075	✓		✓		✓		✓		✓					
Proportional Heat Output Controller (models with EC motors) Remote Sensor 11°-21°C	PHOC 11-21 RS	HACA33076	✓		✓		✓		✓		✓			✓		
Remote (Wired) Room Thermostat	08-0826	HAGA95001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Remote (Wired) Room Thermostat Siemens	RAA21-GB 24-240V	HACA33077	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Remote (Wireless) Room Thermostat Siemens RF	RDD 100.1 RFS	HACA33074	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Remote (Wired) Room Thermostat Siemens Tamper Proof	RAA11	HAGA95004	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Remote (Wired) Room Thermostat Siemens Speed and Temperature Control (EC only)	RDG160T	HACA33078	✓		✓		✓		✓		✓			✓		
22mm flexible hoses (pair)	CAS22FH	HAGA95003	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Integral, surface mounted and remote switching options		*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Factory fitted controls as standard		*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Bespoke RAL paint finishes		*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Antibacterial and antimicrobial paint finishes		*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

Note: \* Please contact Smith's for further information