

# Accessories - Glossary

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

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.

## **Remote (Wired) Room Thermostat 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.

## **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. Available in 100mm and 150mm high versions and in black or white.

## **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. Where master and slave units are required this must be clearly identified at time of ordering.

## **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**

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. Customised temperature ranges can be produced upon request

## **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

Control	Product Codes	Products											
		Caspian SL/FF/UV/TT		Caspian EXT		Caspian UVC		Caspian LST	Caspian Skyline		Caspian Skyline E	Ecovector High	
		EC	AC	EC	AC	EC	AC	EC	EC	AC			
CASPIAN ADJUSTABLE LOW TEMPERATURE CUT-OUT (EC AND AC)	HACA33001	✓	✓	✓	✓	✓	✓			✓	✓		
CASPIAN THERMOSTAT (T1) (EC & AC LOW LEVEL)	HACA33002	✓	✓	✓	✓	✓	✓						
CASPIAN THERMOSTAT (T2) (AC LOW LEVEL)	HACA33036		✓		✓		✓						
CASPIAN THERMOSTAT (T1) & AUTO-SPEED CONTROL (T2) (AC LOW LEVEL)	HACA33003		✓		✓		✓						
CASPIAN EXTERNAL CONTROL HARNESS (EC)	HHCA33004	✓		✓		✓				✓			
CASPIAN PROPORTIONAL HEAT OUTPUT CONTROLLER 15°-25°C INTEGRAL (EC STD LOW LEVEL INSTALL ONLY)	HACA33005	✓		✓		✓							
CASPIAN PROPORTIONAL HEAT OUTPUT CONTROLLER 15°-25°C REMOTE SENSOR (EC)	HACA33037	✓		✓		✓							
CASPIAN PROPORTIONAL HEAT OUTPUT CONTROLLER 11°-21°C INTEGRAL (EC STD LOW LEVEL INSTALL ONLY)	HACA33117	✓		✓		✓							
CASPIAN PROPORTIONAL HEAT OUTPUT CONTROLLER 11°-21°C REMOTE SENSOR (EC)	HACA33118	✓		✓		✓							
BLANK CONFIGURABLE PROPORTIONAL HEAT OUTPUT CONTROLLER (PROGRAMMED AT FACTORY ONLY)	HACA33126	✓		✓		✓				✓			
CASPIAN EC LINKING KIT (MASTER/SLAVE)	HACA33068	✓		✓		✓				✓			
CASPIAN REMOTE SWITCHING ON/OFF RELAY (24V AC COIL)	HACA33127	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CASPIAN SKYLINE CT60 PROPORTIONAL HEAT OUTPUT CONTROLLER 15-25 (REMOTE SENSOR)	HACA33125									✓	✓		
CASPIAN SKYLINE CT60 PROPORTIONAL HEAT OUTPUT CONTROLLER 11-21 (REMOTE SENSOR)	HACA33123									✓	✓		
ROOM THERMOSTAT HARD WIRED	HAGA95001	✓	✓	✓	✓	✓	✓			✓	✓		✓
ROOM THERMOSTAT TAMPER PROOF	HAGA95004	✓	✓	✓	✓	✓	✓			✓	✓		✓
FLEXIBLE HOSES 22MM PAIR	HAGA95003	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
INTEGRAL, SURFACE MOUNTED AND REMOTE SWITCHING OPTIONS	*	✓	✓	✓	✓	✓	✓			✓	✓		
FACTORY FITTED CONTROLS AS STANDARD	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BESPOKE RAL PAINT FINISHES	*	✓	✓	✓	✓	✓	✓	✓					
ANTIBACTERIAL AND ANTIMICROBIAL PAINT FINISHES (SEE PAGE 34)	*	✓	✓	✓	✓			✓					

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