

appendix D checklist for commissioning hydraulic interface units

HEAT INTERFACE UNIT COMMISSIONING CHECK LIST

This commissioning checklist is to be completed in full by the competent person who commissioned the HIU as a means of demonstrating compliance with the appropriate Building Regulations and then handed to the customer to keep for future reference.

Failure to install and commission according to the manufacturer's instructions and complete the Benchmark Commissioning Checklist may invalidate the warranty. This does not affect the customer's statutory rights.

Customer name:		Telephone number:	
Address:		Email:	
HIU Series:	Model	Model	
	SATK 20	Pro cyl	
	SATK 30	SATK 50	
	SATK 40	SATK 60	
HIU serial number:			
Commissioned by (PRINT NAME):			
Company name:		Telephone number:	
Company address:			
		Commissioning date:	
Installer name:		Installation company:	
Installer contact telephone number:			
Building Regulations Notification Number (if applicable)			

HIU TYPE			
1.	Hot water only. (1DHW PHE no Heating controls):	Yes	
2.	Direct Apartment Heating Unit (1 DHW PHE with Apartment Heating Controls):	Yes	
3.	Indirect Apartment Heating Unit (1 DHW PHE with Apartment Heating Controls):	Yes	
4.	Heating Only (Direct) (No plated heat exchanger just Heating Controls):	Yes	
5.	Indirect HIU with integral cylinder:	Yes	
6.	Indirect HIU to be connected to a cylinder:	Yes	
	NOTE: If connecting HIU to an external cylinder, have you checked compatibility?	Yes	

DISTRICT SYSTEM (COMMUNITY HEATING SYSTEM)					
Primary control arrangement:				Control Valve within HIU	
Differential pressure across HIU:					kPa
Static District pressure: (max. system pressure)					bar (g)
District flow temperature:					°C
Pump control:		At the Index	Yes	Index	Yes
Primary pressure systems breaks:		No		Yes	
Primary system flushed:		Yes		Treated	Yes
Water treatment:					
Flushing bypass fitted and closed:				Yes	
Prepayment system:				Yes	No
Prepayment system manufacturer:					
Prepayment method:		Valve outside of HIU		via HIU controller	
If prepayment is via the HIU controller, has the dip switch 6 been set correctly to ensure the correct operation with the installed prepayment system:				Yes	
Strainer checked and cleaned if necessary:				Yes	

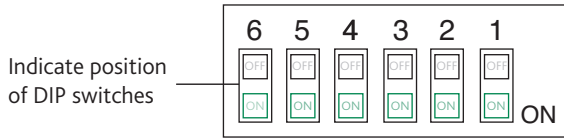
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DWELLING SYSTEM				
Heat output temperature set on the HIU:				°C
Heat emitters type:		Radiators	Underfloor	
If under floor heating, have the HIU dip switches been correctly set, as per the IOM manual?				Yes
If underfloor heating, has the HIU's safety thermostat been connected?				Yes
Controls section:				
Time and temperature control to heating:		Room Thermostat & Programmer	Programmable Room Thermostat	
Time and temperature control to Hot Water:		Cylinder thermostat	Instantaneous HIU therefore not applicable	
Hot Water Zone Valves: (Stored)		Fitted	Instantaneous HIU therefore not applicable	
Thermostatic radiator valves:		Fitted	Not applicable	
Automatic Bypass to System:		Fitted outside HIU		
Pump setting: (if applicable)				
Auto bypass setting: (if adjustable)				
Radiator circuit:		Radial	Manifold	
If 'Manifold' where is it:				
Number of heating zones:				
Cold fill pressure: (bar) (heating circuit)				
Expansion vessel pre-charge pressure valve: bar (g)				
Filling loop disconnected and capped:		Yes	Not applicable	
Discharge pipework has been connected:		In accordance with the relevant regulations		Yes
Separate air vent's: (external to unit)		Yes	No	
If 'yes' location:				
Secondary Strainer fitted:		Yes	No	
Cold water meter installed:		Outside unit	None	
Drain cock fitted:		Yes		

DOMESTIC HOT WATER MODE				
Type:		Instantaneous	Unvent Store	
Store Details: (if present)				
Make and model:				
Serial number:				
Date commissioned:				
Appropriate Benchmark Commissioning Checklist completed for cylinder: (if not instantaneous)				Yes
Instantaneous system only: (types 1, 2, 3)				
Has the DHW preheat function been set to ON or OFF (see dip switch setting in IOM manual)		ON	OFF	
What is the incoming static cold water pressure at the inlet to the system? bar (g)				
Has a strainer been cleared of installation debris (if fitted)		Yes	Not applicable	
Is the installation in a hard water area (above 20 ppm)?		Yes	No	
If yes, has a scale reducer been fitted either at the HIU or at the plant room?		Yes	No	
What type of scale reducer has been fitted?				
What is the hot water temperature set to?				
DHW re-circulation fitted?		Yes	No	

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DIP SWITCH POSITIONS



HEAT METERS

Is a Heat Meter installed within the HIU:	Yes	No	
Heat Meter commissioned:	Yes	No	
Heat Meter connected by MBus, Pulse etc.:			
Error Codes cleared?		Yes	
Data Logger installed	Installed	Commissioned	Not applicable

ALL INSTALLATIONS

The HIU system complies with the appropriate Building Regulations	Yes	
The system has been installed in accordance with the Specification/ Regulations	Yes	
The manufacturer's literature, including the HIU checklist has been left with the unit	Yes	

Commissioning Engineer's Signature:
Commissioning Engineer's Name and Company: (Printed)
Date:
(To confirm satisfactory demonstration and receipt of the manufacturer's literature)

E & O.E

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