

Date of Installation		Date of Commissioning	
<input type="text"/>		<input type="text"/>	
Site Name	<input type="text"/>		
Site Address			
<input type="text"/>			
Post Code	<input type="text"/>		
Distributor Company Name		<input type="text"/>	
MCS Accreditation No.		<input type="text"/>	

Equipment Details

HP Model No.	<input type="text"/>		
HP Serial No.	<input type="text"/>		
DHW Model No.	<input type="text"/>		
DHW Tank Capacity	<input type="text"/>		
Coil Size	<input type="text"/>		
If DHW mode is used, please confirm mode changing value arrangement			
2 x 2 Port Valves	<input type="text"/>		
1 x 3 Port Valves	<input type="text"/>		
Minimum water content and flow rate for the hydraulic system must be respected, to ensure the extended warranty. The criteria is detailed below; Tick the requirement met:			
For 7 years warranty a minimum water volume cannot include secondary wet central heating circuit(s) - UK only	System Minimum Water Volume (available at all times)	Record Flow Rate	
5-9 kW Capacity	25 Ltrs	<input type="checkbox"/>	l/m
12-16 kW Capacity	50 Ltrs	<input type="checkbox"/>	l/m
Magnetic Filter	<input type="text"/>		

Installer Company Name and Address	
<input type="text"/>	
Post Code	<input type="text"/>
Commissioning Engineer Name	<input type="text"/>
Therma V Training Certificate Number	<input type="text"/>

NOTE: In addition to this commissioning sheet, please provide the following documents as part of your LG extended warranty application (tick the information submitted)

MCS submittal documentation (if applicable)	<input type="checkbox"/>
LATS Therma V report (if applicable, only R410a product)	<input type="checkbox"/>
Hydraulic and Wiring Schematic as installed (sketch acceptable)	<input type="checkbox"/>
Wiring Schematic as installed (sketch acceptable)	<input type="checkbox"/>
Photographs of installation (outdoor unit siting, unit data plate, hydraulic separation/buffer tank)	<input type="checkbox"/>
Retrofit Installation	<input type="checkbox"/>
Self Build Installation	<input type="checkbox"/>
Developer New Build Installation	<input type="checkbox"/>

Application - tick boxes

Underfloor Heating	<input type="checkbox"/>
Radiators	<input type="checkbox"/>
Solar PV	<input type="checkbox"/>
Cooling	<input type="checkbox"/>
Solar Thermal	<input type="checkbox"/>

Electrical

Circuit Breaker Rating	Heat Pump	Immersion Heater
	<input type="text"/>	<input type="text"/>

Tick the number boxes for each terminal connection

Terminal Block 1

1	2	3	4	5	6	7	8	9
L	L1	N	L	L1	N	L	L1	N
Mixing Valve			2 Way Valve (A)			3 Way Valve (A)		

Terminal Block 2

10	11	12	13	14	15	16	17	18	19	20
L	L1	N	L	N	L	N	L	N	L	N
3 Way Valve (B)			Water Tank Heater	Water Pump (B)	Mix Pump	Water Pump (C)				

Terminal Block 1

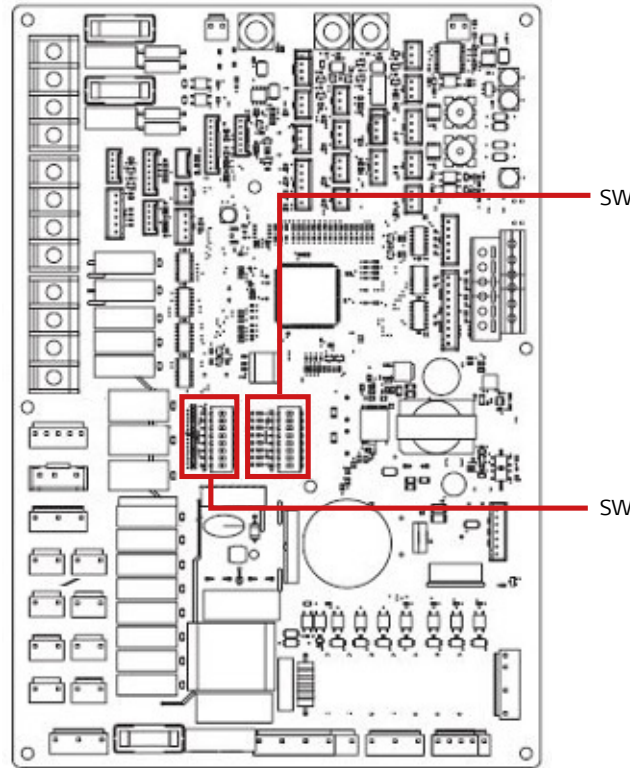
21	22	23	24	25	26	27
L	N	L1	L2	L3	A	B
Thermostat (Default: 230V AC)					3rd Party Controller (5V DC)	

Terminal Block 2

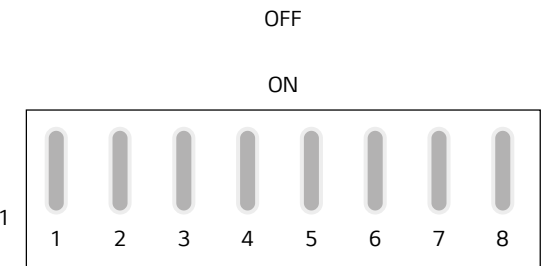
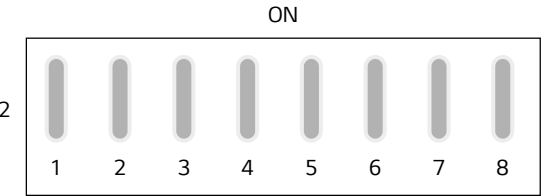
21	22
L	N
E/Heater out sensor (5V DC)	

Dipswitch Bank SW2

Description	Setting		Yes/No
Role when central controller is equipped	<input type="checkbox"/> 1 OFF	As Master	
	<input type="checkbox"/> 1 ON	As Slave	
Accessory installation information	<input type="checkbox"/> 2 OFF <input type="checkbox"/> 3 OFF	Unit + Outdoor unit is installed	
	<input type="checkbox"/> 2 OFF <input type="checkbox"/> 3 ON	Unit + Outdoor unit + DHW tank is installed	
	<input type="checkbox"/> 2 ON <input type="checkbox"/> 3 OFF	Unit + Outdoor unit + DHW Tank + Solar thermal system is installed	
	<input type="checkbox"/> 2 ON <input type="checkbox"/> 3 ON	Reserved. Don't select.	
Cycle	<input type="checkbox"/> 4 OFF	Heating only	
	<input type="checkbox"/> 4 ON	Heating + Cooling	
Room Air Sensor	<input type="checkbox"/> 5 OFF	Room air sensor is not installed	
	<input type="checkbox"/> 5 ON	Room air sensor is installed	
Selecting electric heater capacity	<input type="checkbox"/> 6 OFF <input type="checkbox"/> 7 OFF	Electric heater is not used	
	<input type="checkbox"/> 6 ON <input type="checkbox"/> 7 OFF	1Ø model: Half capacity is used 3Ø model: 1/3 capacity is used	
	<input type="checkbox"/> 6 OFF <input type="checkbox"/> 7 ON	Unused	
	<input type="checkbox"/> 6 ON <input type="checkbox"/> 7 ON	Full capacity is used	
Thermostat installation information	<input type="checkbox"/> 8 OFF	Thermostat is NOT installed	
	<input type="checkbox"/> 8 ON	Thermostat is installed	



Select the dipswitches that you have used.



SW1-8 on to enable Antifreeze setting, remove bridge CN_ANTI SW on indoor pcb.

Antifreeze/Corrosion Precautions

Type of Glycol and Concentrations	
or Antifreeze Valves	
and Corrosion Inhibitor Used	

Pre-Commissioning Checks

System Water Pressure	
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Three Phase Systems Only

		Heat Pump	Immersion Heater	Back-Up Heater				Heat Pump	Immersion Heater	Back-Up Heater				Heat Pump	Immersion Heater	Back-Up Heater
Power Supply	V	L-N	L-N	L-N			L-N	L-N	L-N				L-N	L-N	L-N	
		L-E	L-E	L-E			L-E	L-E	L-E				L-E	L-E	L-E	
		E-N	E-N	E-N												
Running Current	A	L1-N	L1-N	L1-N			L1-N	L1-N	L1-N				L1-N	L1-N	L1-N	

Thermostat	Functions	Description	Enter selected installer settings below
Configuration	Select Temperature Sensor	Selection for setting temperature as air temperature or leaving water temperature or air + leaving water temperature	
	Using Heating Tank Heater	Set up to control booster heater	
	Mixing Circuit	This function is to use mixing circuit function. Set enable/disable mixing circuit function and valve closing time and hysteresis	
	Use External Pump	Set up to control an external water pump	
	RMC master/slave	Function to use the 2 remote control environment	
	LG Therma V Configuration	Function to save the environment settings of the product for use in the LG Therma V Configurator through SD Card	
General Settings	Forced operation	Water pump off after 20 consecutive hours, disable/enable the logic that drives the water pump by itself	
	Pump Prerun/Overrun	Set to reach the optimum flow rate by circulating the heating water with the water pump before heat exchange. After the operation stop, additional water pump is activated to circulate the heating water	
	Water Flow Control	Set water pump to control the water flow	
	Energy Monitoring	Set up to use energy monitoring function of unit	
	Password Reset	It is the function to initialize (00 00) the password when you forgot the password set in the remote controller	
Room Heating	Heating temp. setting	At the water control in heating mode, the control reference water temperature position setting	
	Air heating set temp	Adjusting range of 'Setting Air Temperature' in heating mode	
	Water heating set temp	Adjusting range of 'Setting Heating Flow Temperature' in heating mode	
	Hysteresis Heating Water	Heating Water Outlet Temperature Hysteresis range setting	
	Hysteresis Room Air (Heating)	Heating air temperature Hysteresis range setting	
	Pump setting in heating	Set water pump on/off interval option during thermo off condition in heating mode	
	Heater on temperature	Setting outdoor air temperature here half capacity of backup heater starts operation	
	Screed drying	This function controls floor heating to a specific temperature for a certain period of time to cure floor cement	

Thermostat	Functions	Description	Enter selected installer settings below
Room cooling	Cooling temp. setting	At the water control in cooling mode, the control reference water temperature position setting	
	Air cooling set temp.	Adjusting range of 'Setting Air Temperature' in cooling mode	
	Water cooling set temp.	Adjusting range of 'Setting Leaving Water Temperature' in cooling mode	
	Water Supply off temp.	Determine the leaving water temperature which blocks the flow into underfloor coil in cooling mode. This function is used for preventing condensation on the floor in cooling mode	
	Hysteresis Cooling Water	Cooling Water Outlet Temperature Hysteresis range setting	
	Hysteresis Room Air (Cooling)	Cooling air temperature Hysteresis range setting	
	Pump setting in cooling	Set water pump on/off interval option during thermos off condition in cooling mode	
Auto mode	Seasonal auto temp.	Set the operating temperature in Seasonal Auto mode	
Domestic hot water	DHW set temp.	Setting DHW set temperature	
	Tank disinfection setting 1	Setting start/maintain time for disinfection	
	Tank disinfection setting 2	Setting disinfection temperature	
	Tank setting 1	Setting minimum and maximum temperature using heat pump cycle for DHW heating	
	Tank setting 2	Setting temperature hysteresis and heating priority (DHW heating or floor heating)	
	Heater priority	Determine usage of backup heater and booster heater	
	DHW time setting	Determine follow time duration : operation time of domestic hot water tank heating, stop time of domestic hot water tank heating , and delay time of DHW tank heater operating	
	Recirculation time	Whether to use the recirculation function and set the water pump on/off interval option	
Solar thermal	Solar Thermal System	Function to set operation reference value in Solar Thermal System	
Service	Pump test run	Water pump test run	
	Frost Protection Temp.	This function is to apply an offset to the freezing temperature of the freeze protection logic when using antifreeze mode	

Thermostat	Functions	Description	Enter selected installer settings below
Connectivity	Dry Contact Mode	Dry contact function is the function that can be used only when the dry contact devices are separately purchased and installed	
	Central Control Address	When connecting the central control, set the central control address of the unit	
	CN_CC	It is the function to set whether to install (use) Dry Contact. (It is not a function for Dry Contact installation, but it is a function to set the usage of the unit's CN_CC port.)	
	CN_EXT	Function to set external input and output control according to DI / DO set by customer using dry contact port of indoor unit. Determine the use of the contact port (CN_EXT) mounted on the indoor unit PCB	
	3rd Party Boiler	Configuration to control 3rd party boiler	
	Meter Interface	When installing the meter interface to measure energy / calorie in the product, set unit spec for each port	
	Energy State	Select whether to use or not use the SG Mode function of the product, set the operation option value in SG1 step	
	Thermostat control type	Setting Thermostat control type	
	Modbus Address	It is function to set the address of the Modbus device that is externally linked to the product. Modbus address setting function is available from indoor unit.	

MONITORING

Outdoor Air Temperature	
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Time powered on before running system	
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After 15 minutes of operation

HEAT MODE:	
Target Temperature	
Flow Rate	
Water Outlet Temperature	
Water Inlet Temperature	

Running Current	
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After 15 minutes of operation

DHW MODE:	
Target Temperature	
Flow Rate	
Water Outlet Temperature	
Water Inlet Temperature	

Running Current	
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Submission of a pre-commissioning form, official LG UK commissioning documentation and the LATS HVAC (if acceptable) report to be emailed to LG UK via aircon.warranty@lge.com within 30 days of the commissioning date.