

EHYHBH(X)-AV3(2)

NOTES TO GO THROUGH BEFORE STARTING THE UNIT

X1M : Indoor / outdoor comm.
 X2M : Field wiring terminal for AC
 X5M : Field wiring terminal for DC

— — — — : Earth wiring
 - - - - : Field supply
 → **/12.2 : Connection ** continues on page 12 column 2
 ① : Several wiring possibilities



: Option



: Wiring depending on model



: Not mounted in switchbox



: PCB

User installed options:

- Domestic hot water tank
- Domestic hot water tank with solar connection
- Remote user interface
- Ext. indoor thermistor
- Ext. outdoor thermistor
- Digital I/O PCB
- Demand PCB
- Instant DHW recirculation
- Main LWT:
 - ON/OFF thermostat (Wired)
 - ON/OFF thermostat (Wireless)
 - Ext. Thermistor
 - Heat pump convactor
- Add LWT:
 - ON/OFF thermostat (Wired)
 - ON/OFF thermostat (Wireless)
 - Ext. Thermistor
 - Heat pump convactor

LEGEND

* : Optional
 # : Field supply

A1P : Main PCB (hydro)
 A2P : User interface PCB
 A3P * : ON/OFF thermostat
 A3P * : Heat pump convactor
 A3P * : Solar pumpstation PCB
 A4P * : Digital I/O PCB
 A4P * : Receiver PCB
 (wireless ON/OFF thermostat, PC=power circuit)
 A8P * : Demand PCB
 B1L : Flow sensor
 DS1 (A8P) * : Dipswitch
 F1U,F2U * : Fuse 5A 250V for digital I/O PCB (A4P)
 FU1 : Fuse T 6.3A 250 V for main PCB (A1P)
 K*R : Relay on PCB
 M1P : main water supply pump
 M2P # : Domestic hot water pump
 M2S # : 2 way valve for cooling mode
 M3S : 3 way valve for floorheating/domestic hot water tank
 M4S : Bypass valve gasboiler
 PHC1 * : Optocoupler input circuit
 PS : Switching power supply
 Q*DI # : Earth leakage circuit breaker
 R1T (A1P) : Outlet water heat exchanger thermistor
 R1T (A2P) : Ambient sensor user interface
 R1T (A3P) * : Ambient sensor ON/OFF thermostat
 R2T (A1P) : outlet gasboiler thermistor
 R2T (A4P) * : External sensor (floor or ambient)
 R3T (A1P) : Refrigerant liquid side thermistor
 R4T (A1P) : Inlet water thermistor
 R5T (A1P) * : Domestic hot water thermistor
 R6T (A1P) * : External indoor or outdoor ambient thermistor
 R1H (A3P) * : Humidity sensor
 S1S # : Preferential kWh rate power supply contact
 S2S # : Electrical meter pulse input
 S3S # : Gas meter pulse input
 S6S-S9S # : Digital power limitation inputs
 SS1 (A4P) * : Selector switch
 TR1, TR2 : Power supply transformer
 X*M : Terminal strip
 X*Y : Connector

POSITION IN SWITCHBOX

