FRANKISCHE UK LTD.

is a part of FRÄNKISCHE

ROBBENS SYSTEMS®

FIRST FIX SCHEMATIC DIAGRAM

ROOM THERMOSTAT FOR RADIATORS CYLINDER IF REQUIRED 1.0MM CSA **THERMOSTAT** 3 CORE & EARTH IF REQUIRED 1.0MM CSA 3 CORE & EARTH (CLIENTS SUPPLY) RADIATOR/TOWEL RAIL CONTROL VALVE (CLIENTS SUPPLY) 2 PORT SPRING CLOSE VALVE WITH 5 CORE AUX. SWITCH LEAD DOMESTIC HOT WATER CYLINDER CONTROL VALVE (CLIENT SUPPLY) TIME CLOCK FOR 2 PORT DOMESTIC HOT SPRING CLOSE WATER CONTROL & VALVE WITH 5 CORE RADIATORS OR AUX. SWITCH LEAD TOWEL RAILS IF **REQUIRED** (CLIENT SUPPLY) Н 1.0mm CSA 3 CORE & EARTH FROM (CLIENTS SUPPLY) 12 WAY JUNCTION BOX TO EACH MANIFOLD LOCATIONS 23 WAY JUNCTION BOX No. OF WIRES DEPENDS ON CLOCK AND No. OF ITEMS CONTROLLED MAINS Ε SUPPLY TO 10 WAY HEATING SYSTEM 2 CORE & EARTH JUNCTION BOX 1.0MM CSA LWC3 (CLIENTS SUPPLY) (DRUFHS SUPPLY) Α M1 3 CORE & EARTH 1.0MM CSA SYSTEM CONTROL HEAT RESISTING CABLE MAY BOX AT MANIFOLD BE REQUIRED FOR UNDER FLOOR HEATING D (DRUFHS SUPPLY) **BOILER**

TO AID FIRST FIX WIRING NOTE LOCATION OF ALL ITEMS REQUIRED BELOW: THEN RUN CABLES

ITEM	LOCATION
Α	BOILER ROOM
В	BOILER ROOM
С	NEAR OR IN BOILER
D	NEAR BOILER
Е	NEAR BOILER
F	NEAR BOILER TO CLIENTS CHOICE
G	D.H.W CYLINDER
Н	FLOW OR RETURN D.H.W CYLINDER
I	ROOM WITHOUT TRV
J	FLOW OR RETURN RADS
M1	



UP TO 10 ROOM THERMOSTATS FROM EACH JUNCTION BOX EACH WIRED 3 CORE(+E) 0.75mm OR / 1 mm C.S.A.

ALL WIRING MUST COMPLY WITH CURRENT

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IEE REGULATIONS

SERVICE ISOLATOR

MAY BE REQUIRED

BOILER PUMP MAY

BE INSIDE BOILER (CLIENT SUPPLY)

(CLIENT SUPPLY)

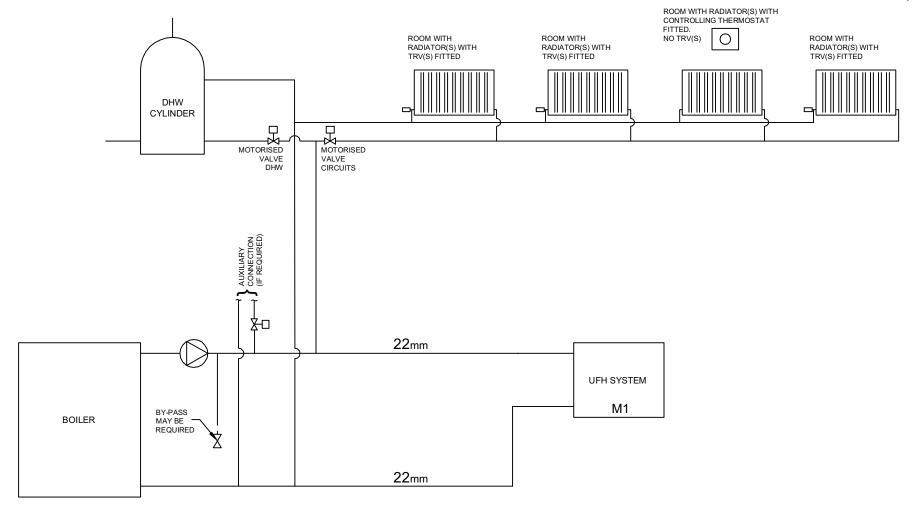
2 CORE & EARTH

HEAT RESISTING

ROBBENS SYSTEMS®



SCHEMATIC OF HEATING SYSTEM COMBINATIONS



THE ABOVE SHOWS A SCHEMATIC OF A HEATING SYSTEM COMBINING UFH, A DHW CYLINDER & TOWEL RAILS.

EEED EYBANION BLUING DRAIN VALVES DESSUIDE VESSELS AND SAFETY.

FEED, EXPANSION, FILLING, DRAIN VALVES, PRESSURE VESSELS AND SAFETY VALVES HAVE BEEN OMITTED FOR CLARITY.

THESE MUST BE FITTED IN ACCORDANCE WITH EQUIPMENT SUPPLIERS INSTRUCTIONS AND COMPLY WITH LOCAL BYLAWS AND SAFETY LEGISLATION.

THE SYSTEM SHOULD BE ARRANGED WITH EACH TYPE OF HEATING EQUIPMENT ABLE TO CONTROL THE BOILER AND WORK INDEPENDENTLY OF THE OTHER HEAT EMITTERS.

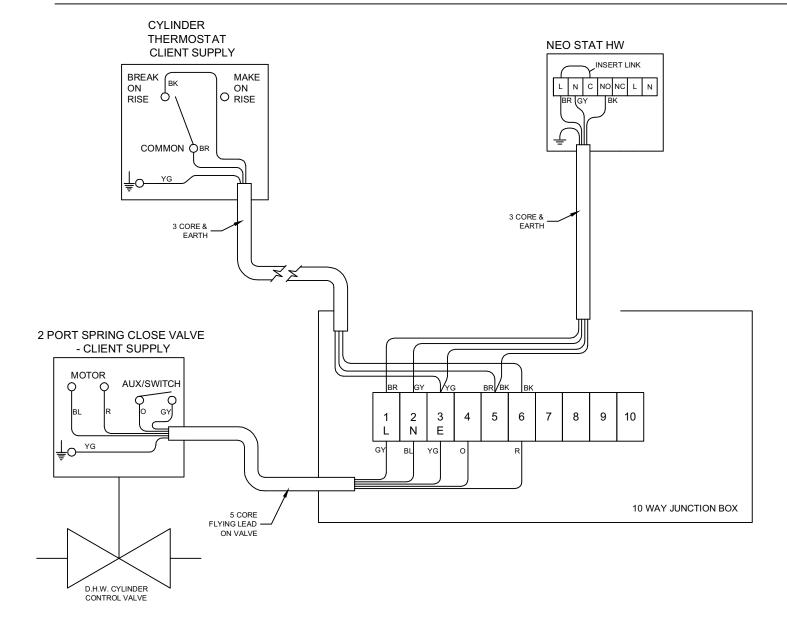
NOTE: ALL PIPE SIZES ARE COPPER SIZE OR EQUIVILENT BORE

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DOMESTIC HOT WATER CONTROL WITH UFH ON SAME BOILER







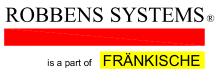
WIF	WIRE COLOUR KEY		
BR	BROWN		
BL	BLUE		
ВК	BLACK		
R	RED		
YG	YELLOW/GREEN		
0	ORANGE		
GY	GREY		

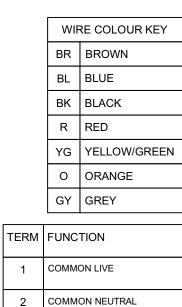
TERM	FUNCTION
1	COMMON LIVE
2	COMMON NEUTRAL
3	COMMON EARTH
4	BOILER ON
5	OUTPUT TO CYL. STAT.
6	ON SIGNAL CYL. STAT.
7	DHW. PREF. LIVE
8	RADS ON IF REQUIRED
9	
10	

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

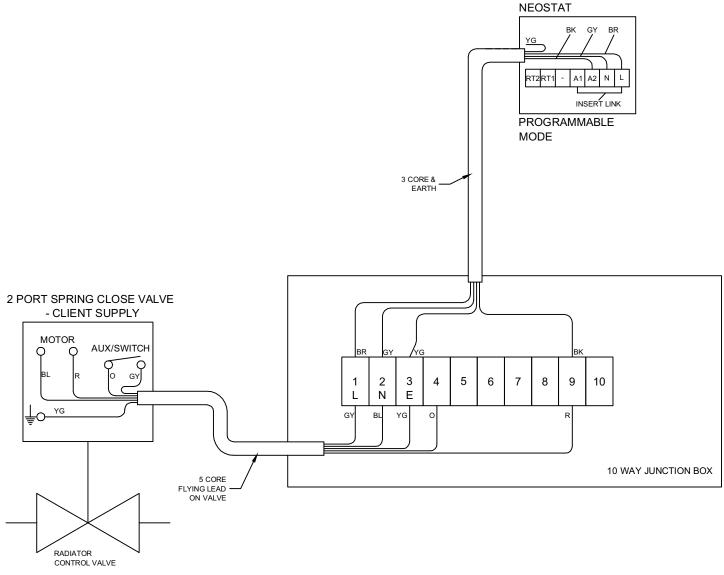
RADIATOR WITH UFH ON SAME BOILER

(CAN BE USED FOR TOWEL DRIER CIRCUIT)



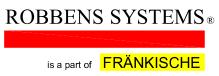


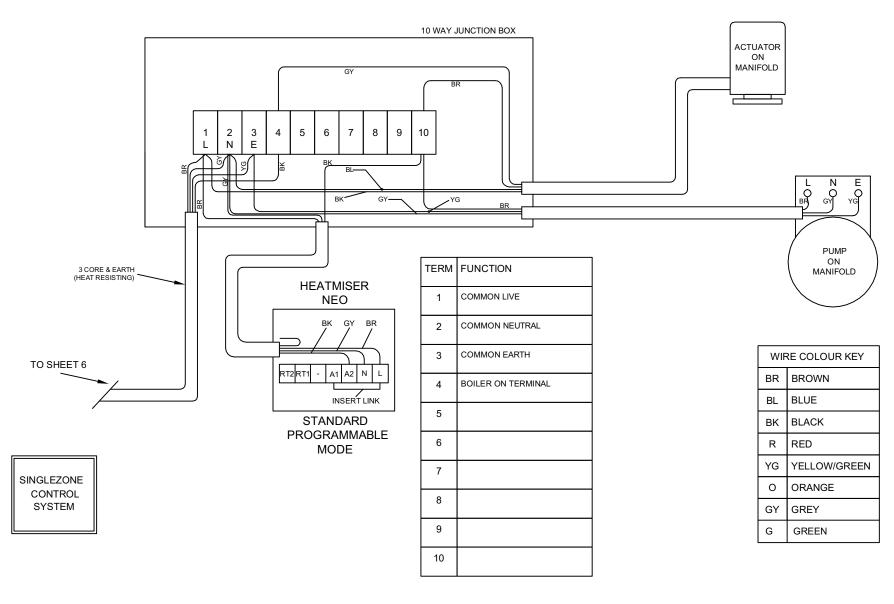
	IERM	FUNCTION
	1	COMMON LIVE
	2	COMMON NEUTRAL
	3	COMMON EARTH
	4	BOILER ON
	5	
	6	
	7	
	8	OUTPUT TO RADS ROOM THERMOSTAT
	9	ON SIGNAL RADS
	10	



ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

MAINS ISOLATOR/BOILER/BOILER PUMP & 10 WAY JUNCTION BOX WIRING / O.S.





ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

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