# FRANKISCHE UK LTD.

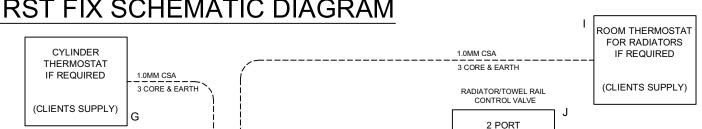
MAINS

SUPPLY TO

HEATING SYSTEM

(CLIENTS SUPPLY)

# FIRST FIX SCHEMATIC DIAGRAM



5 CORE

LEAD

DOMESTIC HOT WATER CYLINDER CONTROL VALVE 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)

10 WAY

JUNCTION BOX

LWC3

Ε

2 CORE & EARTH

HEAT RESISTING

2 CORE & EARTH

1.0MM CSA

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

(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** 

> SERVICE ISOLATOR MAY BE REQUIRED (CLIENT SUPPLY) UP TO 10 ROOM THERMOSTATS FROM EACH JUNCTION BOX EACH WIRED 3 CORE(+E)

ITEMS CONTROLLED

0.75mm OR / 1 mm C.S.A.

SPRING CLOSE VALVE WITH

AUX. SWITCH

(CLIENT SUPPLY)

ROBBENS SYSTEMS® is a part of FRÄNKISCHE

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	

IEE REGULATIONS

ALL WIRING MUST COMPLY WITH CURRENT

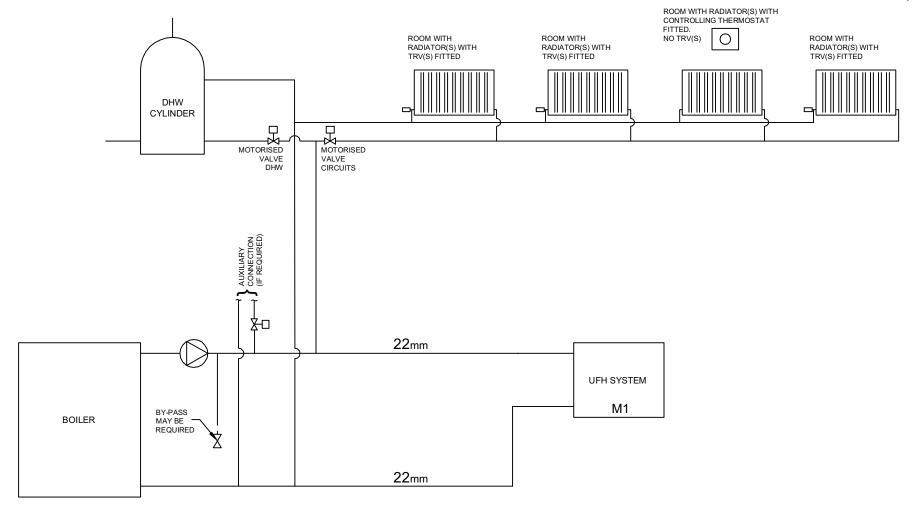
BOILER PUMP MAY

BE INSIDE BOILER (CLIENT SUPPLY)

# 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.

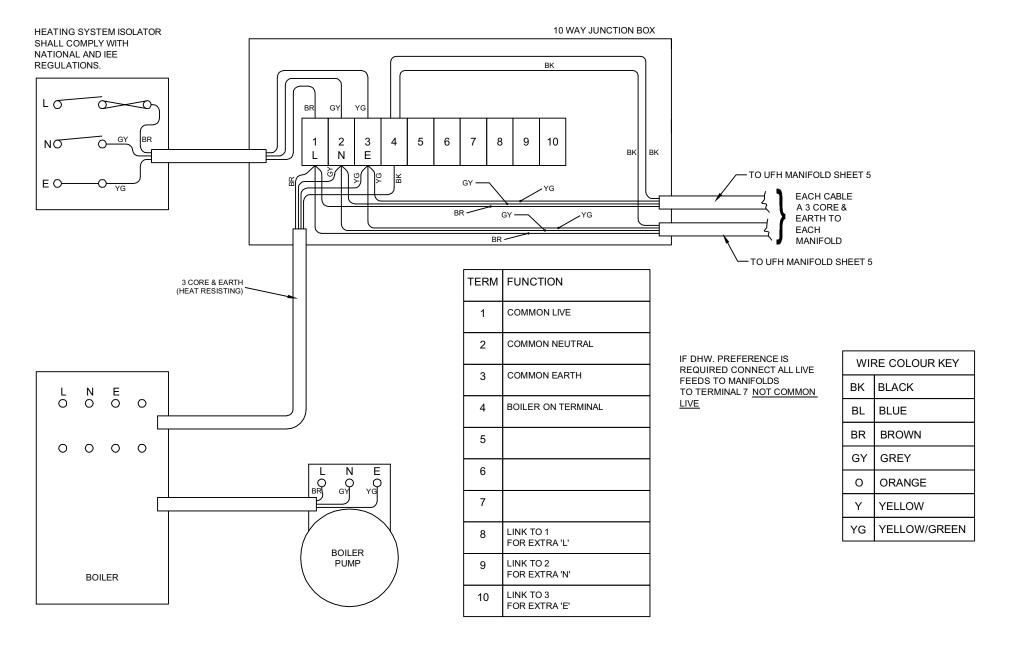
NOTE: ALL PIPE SIZES ARE COPPER SIZE OR EQUIVILENT BORE

Tel: 01424 851111





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

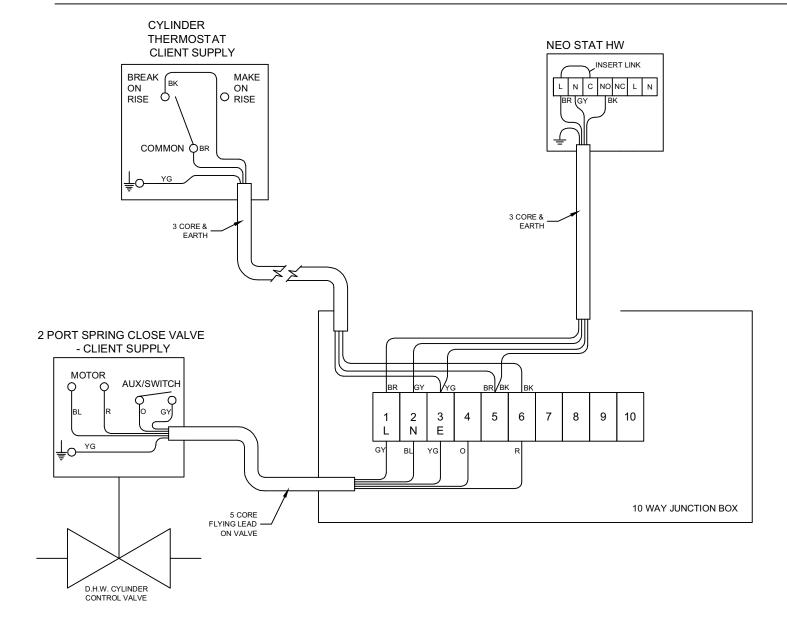


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# DOMESTIC HOT WATER CONTROL WITH UFH ON SAME BOILER







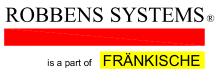
WIF	WIRE COLOUR KEY			
BR	BROWN			
BL	BLUE			
ВК	BLACK			
R	RED			
YG	YELLOW/GREEN			
0	ORANGE			
GY	GREY			

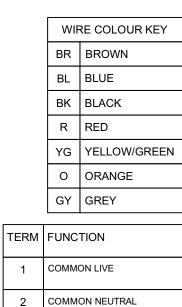
TERM	FUNCTION
1	COMMON LIVE
2	COMMON NEUTRAL
3	COMMON EARTH
4	BOILER ON
5	OUTPUT TO CYL. STAT.
6	ON SIGNAL CYL. STAT.
7	DHW. PREF. LIVE
8	RADS ON IF REQUIRED
9	
10	

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

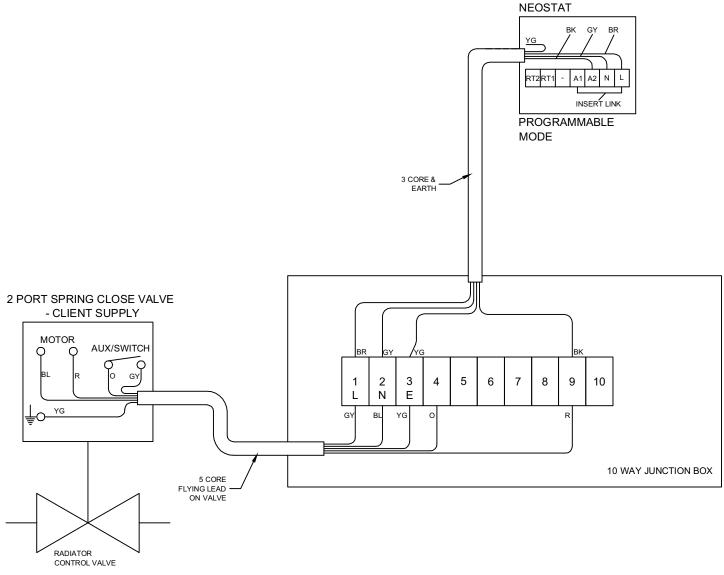
### RADIATOR WITH UFH ON SAME BOILER

(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





#### UH8 - neoStat (7 Under-floor & 1 Radiator zone)

UFM UNDER FLOOR MANIFOLD

LIVE

SWITCH LIVE ———

NEUTRAL -

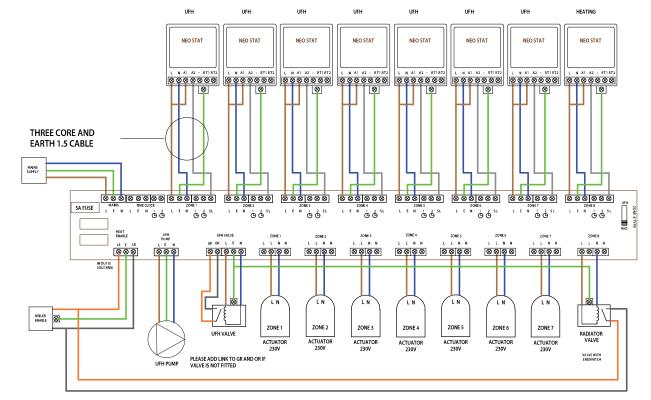
EARTH

END SWITCH AND BOILER ENABLE

This equipment should be installed by an appropriately qualified/registered electrician.

Fully read the instructions for proper wiring before applying power. The warranty does not cover damage from improper wiring or installation.

Wiring Cent



Model: UH8

Tel: 01424 851111