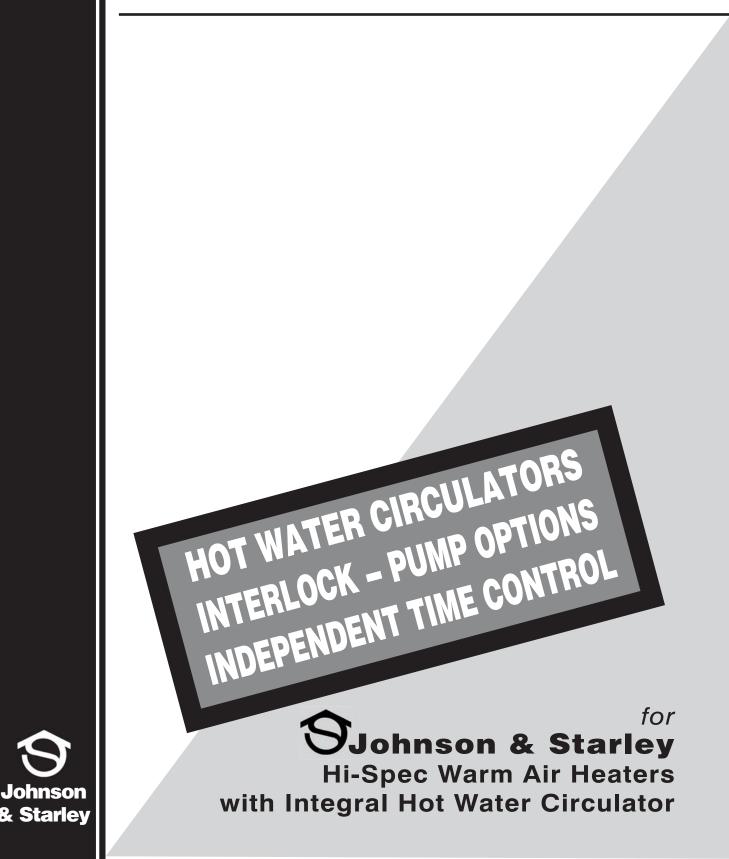


BUILDING REGULATIONS PART L

HEATING COMPLIANCE GUIDE

(Ref Sections 8 to 11)



The purpose of this document is to provide information for certified and registered Gas Installers and Service Engineers in the wiring of controls on Johnson & Starley Hi-Spec Warm Air Heaters with integral Circulator Water Heaters.

Please Note:

Sections 1 to 4 give original circuit diagrams and thus controls on heater models which are installed in countries and applications not covered by the Buildings Regulation Part L (England and Wales).

Sections 5 and 7 give circuit requirements for intermediate controls and pump options for pumped hot water circuits and interlock.

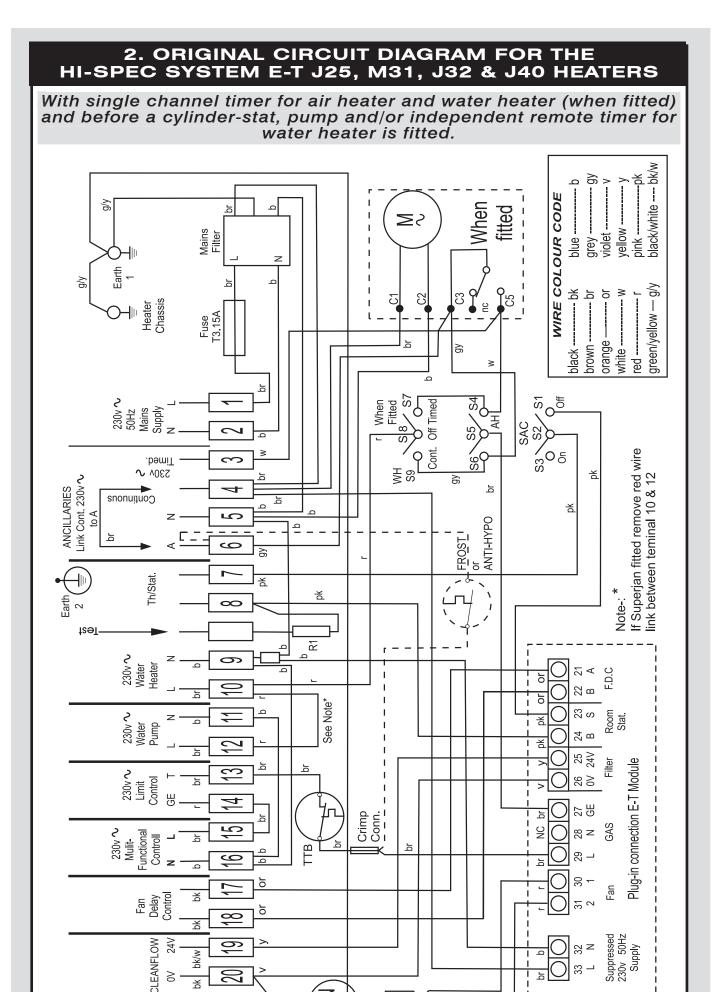
Section 8 and 11 give circuit requirements for fully independent hot water time control via a remote clock together with pump and cylinder-stat interlock control. This is for full compliance with Building Regulations Part L (England and Wales) and the Heating Compliance Guide.

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1. ORIGINAL CIRCUIT DIAGRAM FOR THE HI-SPEC BASIC J25, M31, J32 & J40 HEATERS

With single channel timer for air heater and water heater (when fitted) and before a cylinder-stat, pump and/or independent remote timer for water heater is fitted. ЦX X Ъ g/y I Auto Transformer Selector 6VA Double Bobbin ¢ g م ال > > 0 2 Ĩ blue -----WIRE COLOUR CODE 0000 0000 Voltage 3 grey ------violet -----ourple/red-OH⊫ 24V 2 vellow -Earth 1 z þ z م þ bk/v When > > fitted o. ≥ ਤ੍ਰ ਤੁ ≥ર Å į Fuse T3.15A ł A black/white l brown ---orange -• 2 8 ස<mark>්</mark> 12 32 white black þ Ъ 230v **č** 50Hz Mains Supply red Ъ ≳ م z J C ≥ Fitted .bəmiT റ When 0 14 1 0^{S7} Timed °00 € ∿ ^082 ANCILLARIES Link Cont. 230v to A Ę AH SAC SAC P Off. S5. suonniinoO br S م 2 Cont. o's z S Q S6, q P ้อ HN S9 g Ъ gy g S ⊲ Th/Stat. Я ∞ V THE J25 IS FITTED WITH A SECOND ttb BETWEEN S8 & 10 tsəT or ANTI-HYPO 230v **र** Water Heater တ FROST 2 Earth 2 br 230v **č** Water Pump Z _ L ≥ 1 Relay Module J \subseteq ¢ p 0/N 230v **č** Limit Control 1 \underline{c} I≥ Т r br P_{D/N} Ю Comm Butt Conn. þ 5 14 3 þ Contro br م ШB 9 z q 쉿 췽 Ļ 1 k Fan Delay Control P o 24v $\underline{\infty}$ Å 췽 p/r CLEANFLOW 0V 24V <u>ۋ</u> Am002T bk/w p/r g/y əsnj 됫못 L × 2 Ŕ 7 <u>/</u>6 FAN -III



24V

8

bk/w

X

0

2

FAN

0

ą

Å

a S

Suppresse

230v

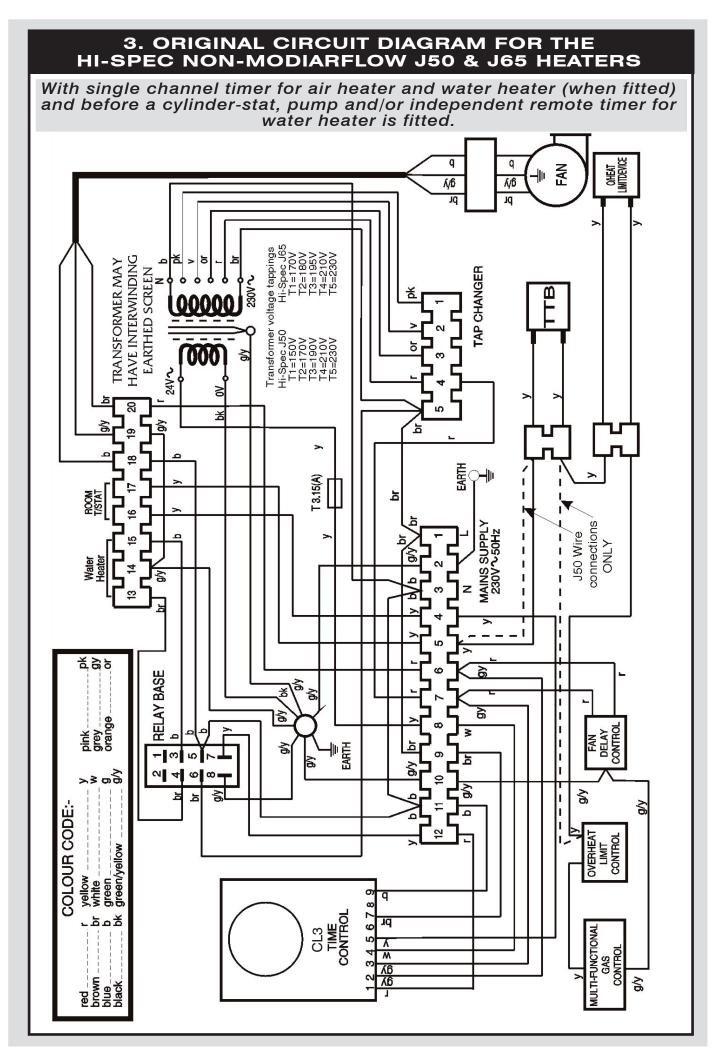
Supply

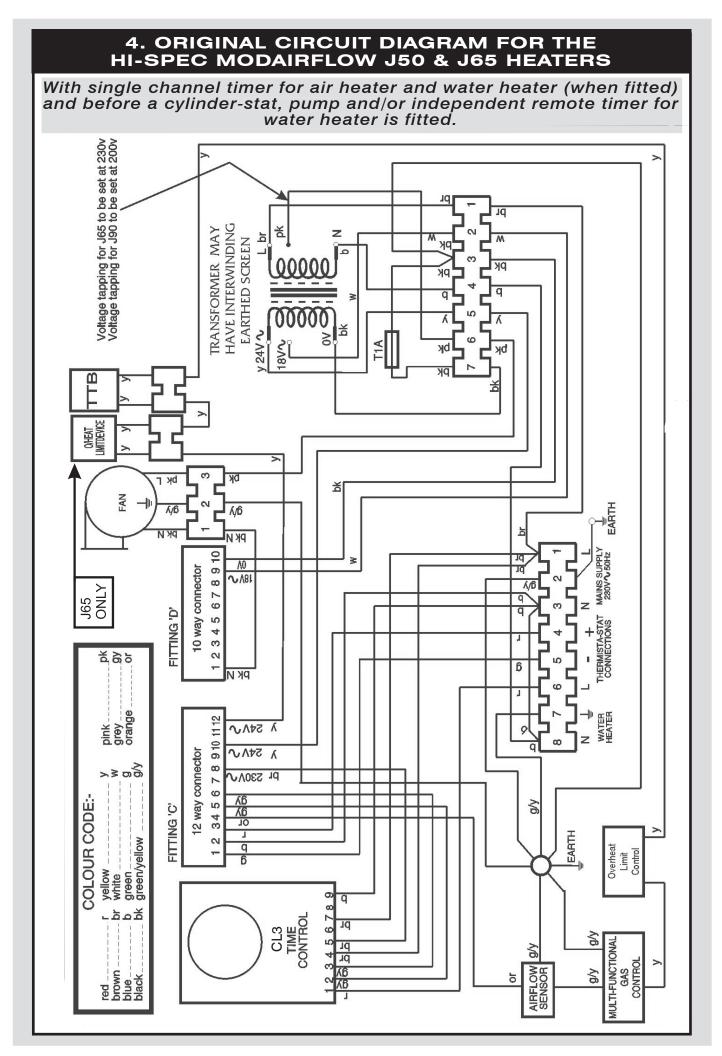
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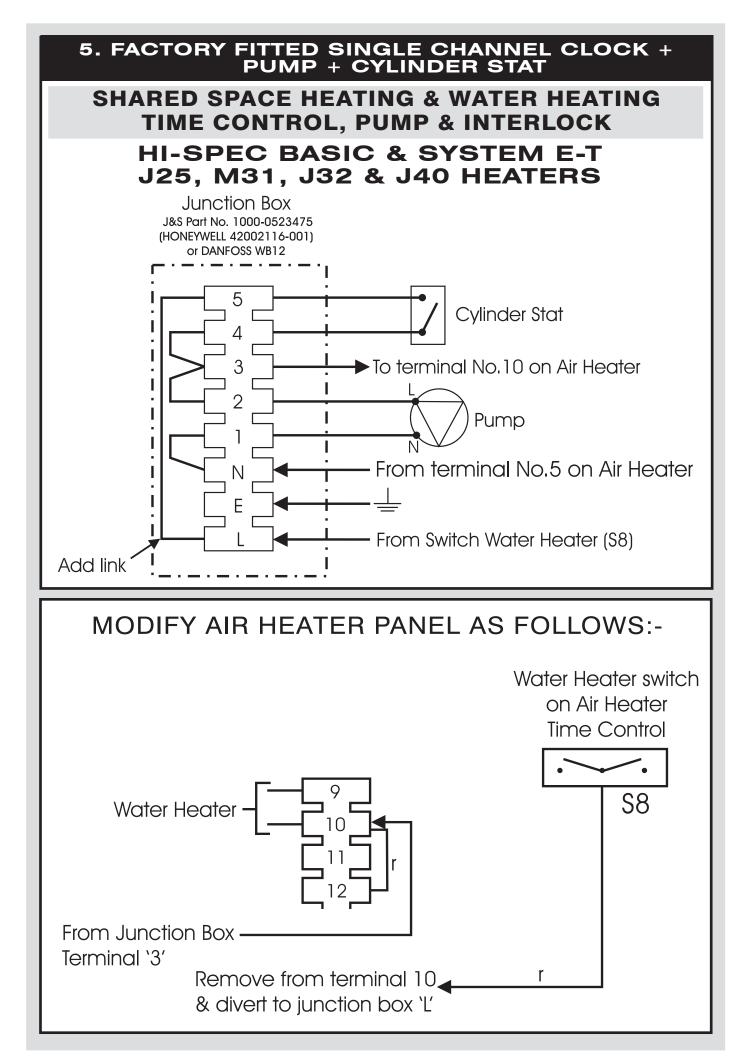
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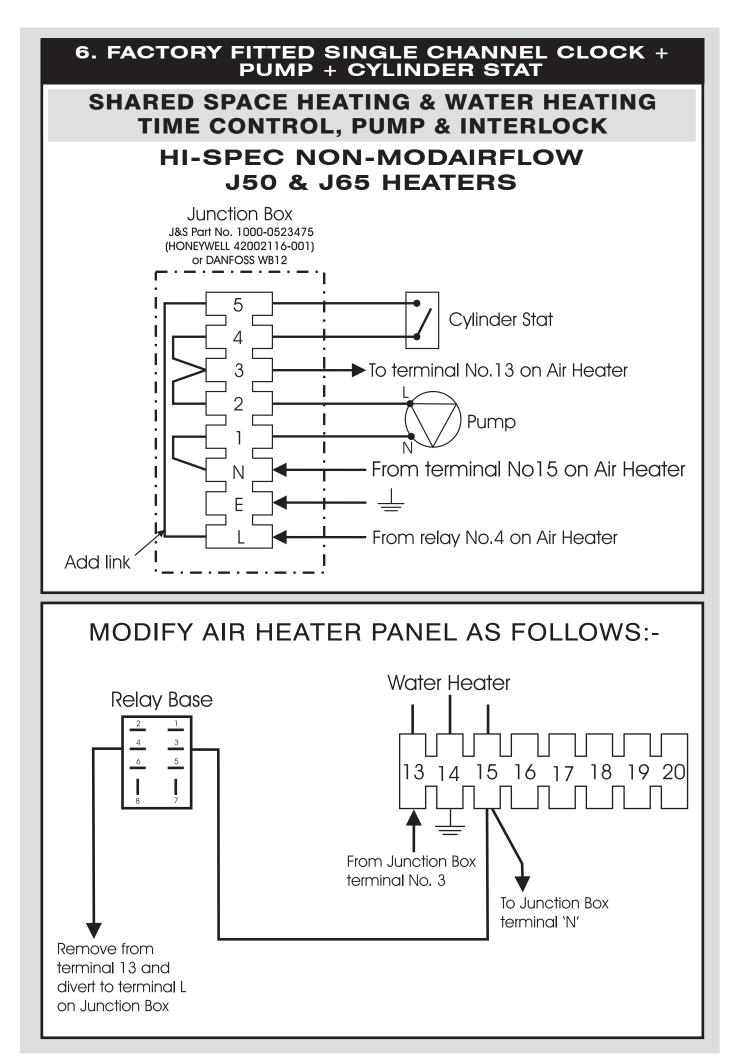
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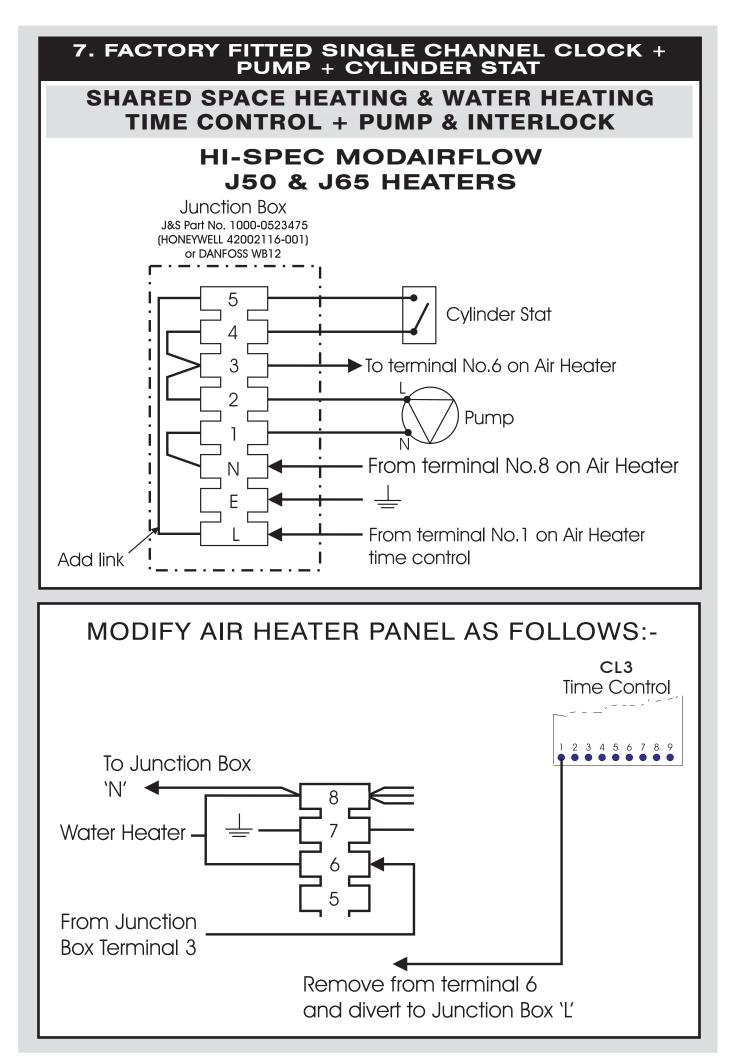
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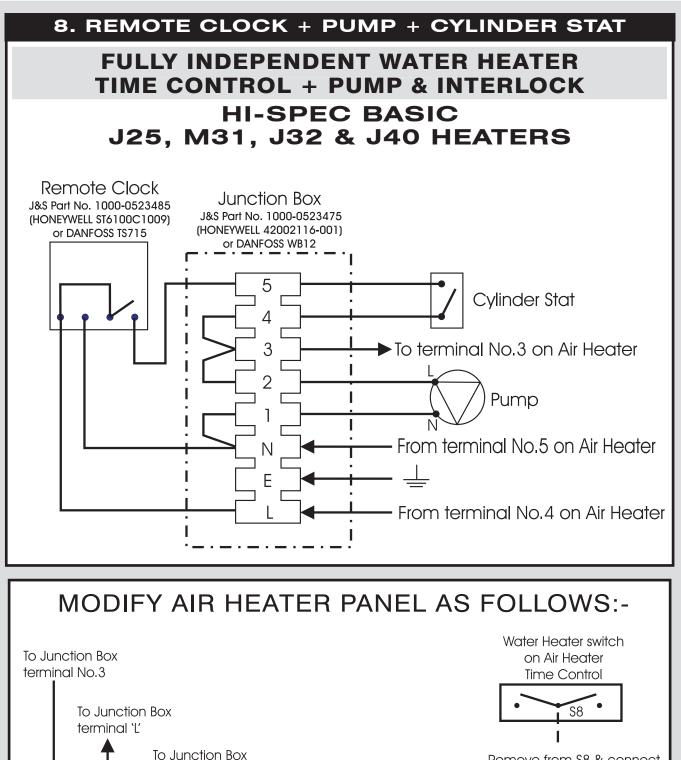












Remove from S8 & connect to terminal No.3

OPTIONAL: Remove links S9 to S6 grey and S4 to S7 white. Remove switch and fit blank. J&S Part No. 1000-0522495

10

8

12

2

3

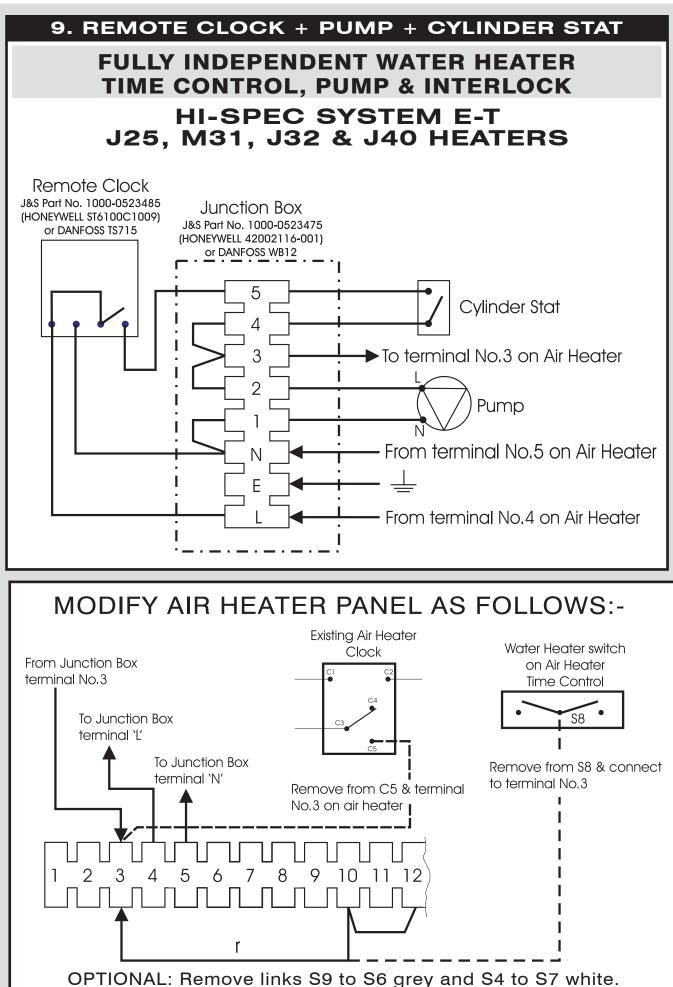
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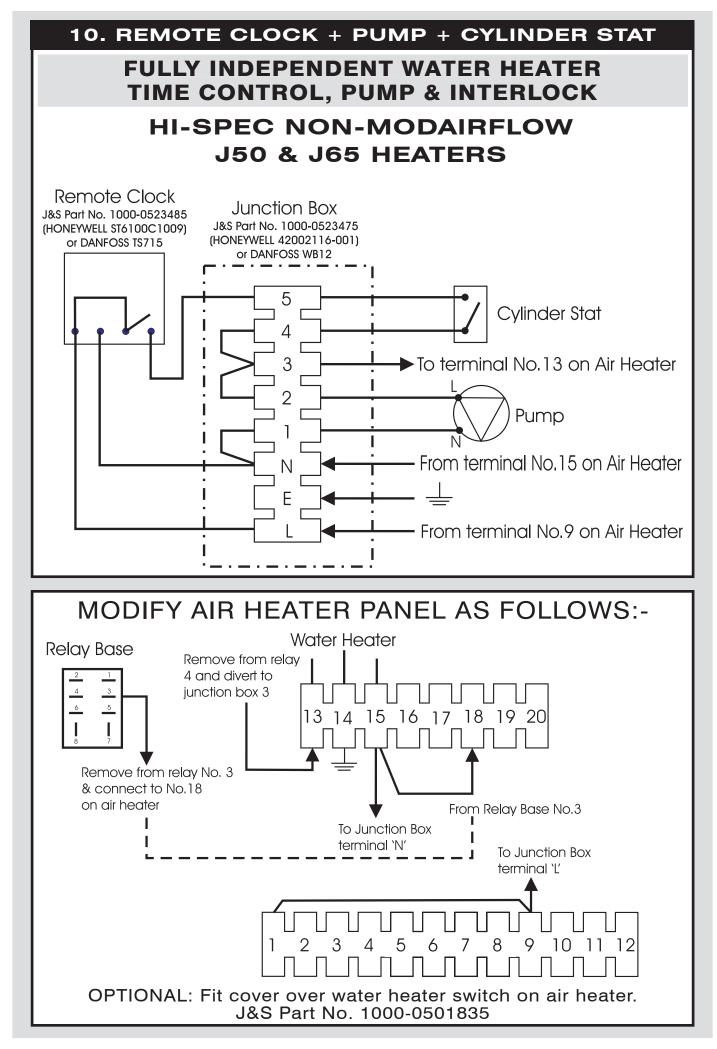
terminal 'N'

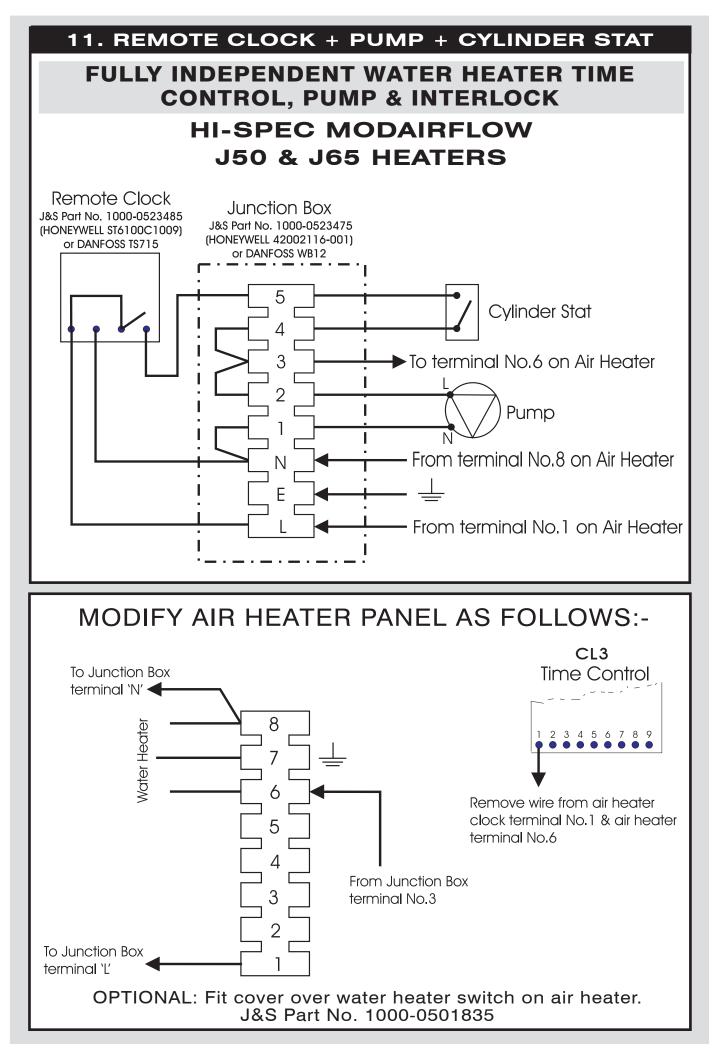
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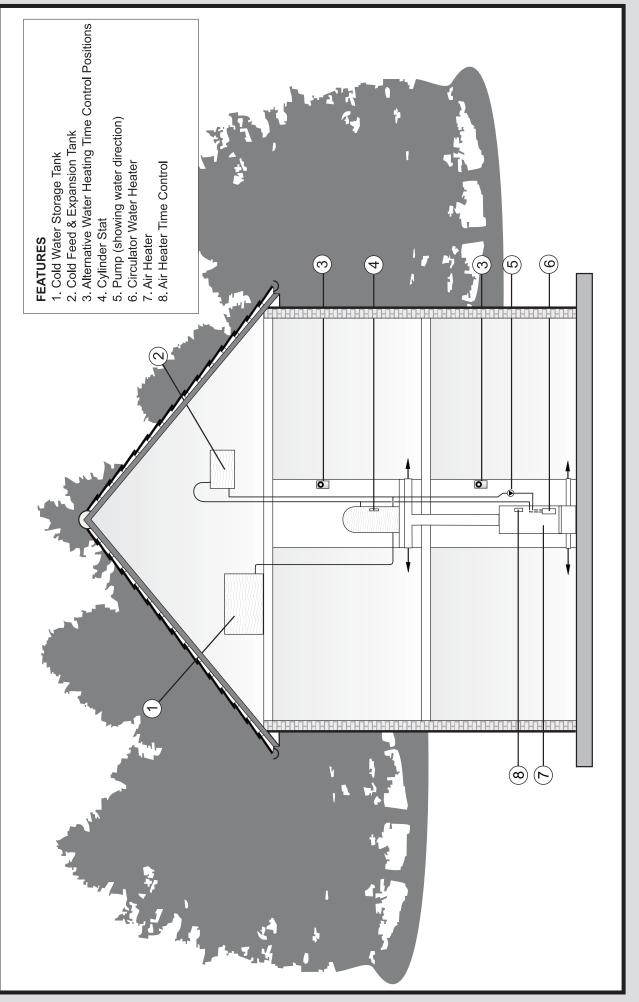
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Johnson and Starley prides itself on it's ability to supply spare parts quickly and efficiently. If your service engineer indicates a problem in obtaining a spare part, advise him to contact Johnson and Starley Spares Department at the address below.



Rhosili Road, Brackmills, Northampton NN4 7LZ Main Switchboard Tel: 01604 762881 Fax: 01604 767408 Spares Tel: 01604 707012 Fax: 01604 764879 Service Tel: 01604 707011 Fax: 01604 707017 www.johnsonandstarley.co.uk