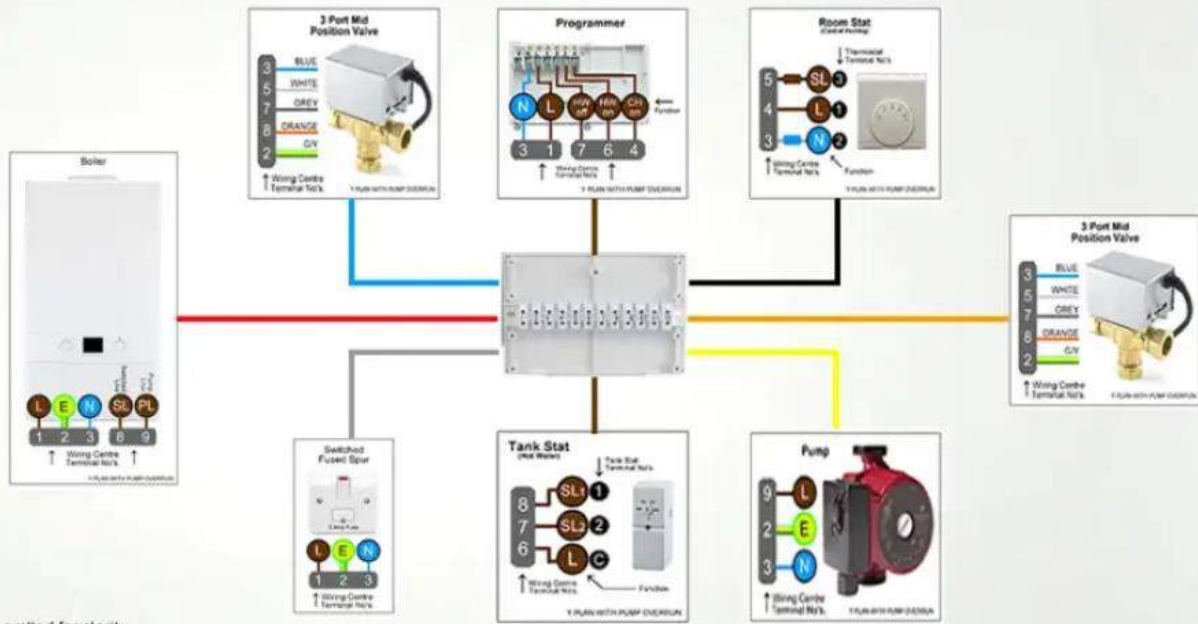


# Y Plan Wiring Diagram



Note: Some earths omitted for clarity.  
2nd 3 port valve shown for illustration purposes only

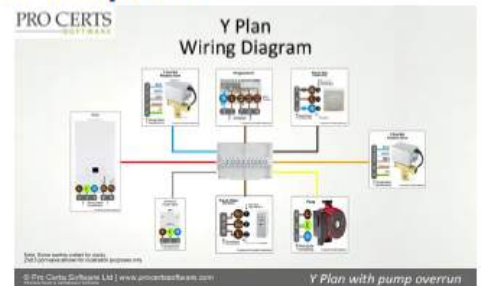
## Y Plan Wiring Diagram

Y Plan wiring diagram for fully pumped central heating and hot water systems with pump overrun, includes connections for the boiler, 3 port valve, hot water tank stat, room thermostat and central heating wiring centre connections.

**You can download the Y plan wiring diagram pdf at the bottom of this post.**

## Y Plan Wiring Centre Connections

The first number is the terminal number of the Y plan wiring centre.



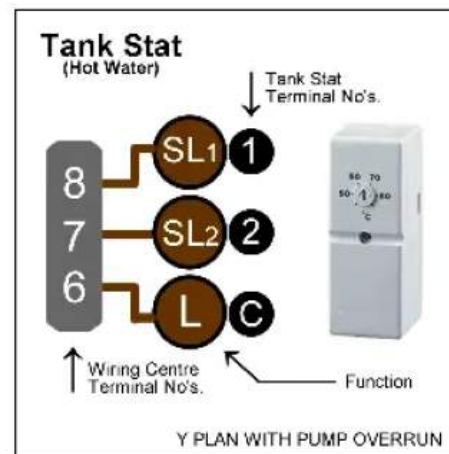
Y Plan Wiring Schematic

1. Live In (From FCU) + Boiler Live (L) + Programmer Live (L)
2. Earth
3. Neutral
4. Room Stat Live ( terminal 1) + Programmer "CH On" (terminal 4)
5. Switched Live from Room Stat (3) + 3 Port Valve (Grey)
6. Programmer "HW On" (terminal 3) + Tank Stat Live (C)
7. Programmer "HW Off" (terminal 2) + Tank Stat Switched Live (SW2 – Terminal 2)
8. Boiler Switched Live (SL) + 3 Port Valve (Orange) + Tank Stat Switched Live (SW1 – Terminal

## Y Plan Tank Stat Connections

Hot water tank thermostat wiring for hot water temperature control on Y Plan hot water systems.

- Live = L (C)
- Switched Live 1 = SL1 (1)
- Switched Live 2 = SL2 (2)

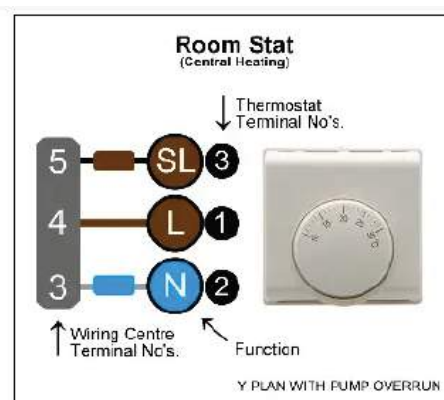


Y Plan hot water thermostat schematic

## Y Plan Room Stat Connections

Room temperature thermostat wiring for room temperature control of the central heating system for Y Plan central heating systems.

- Live = L (1)
- Neutral = N (2)
- Switched Live = SL (3)

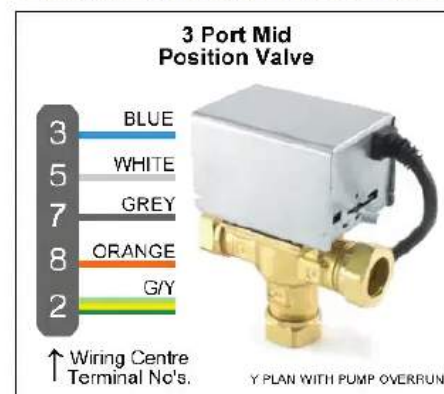


Y Plan Room Thermostat Schematic

## Y Plan 3 Port Valve Connections

3 port mid position valve wiring colours and Y plan wiring centre terminal numbers.

- Green/Yellow (Earth) = 2
- Blue (Neutral) = 3
- White = 5
- Grey = 7
- Orange = 8



Y Plan 3 Port Valve Schematic

# Y Plan Boiler Connections

Y Plan boiler wiring diagram with pump overrun, shown below first is the cable (function) followed by the terminal number of the Y plan wiring centre.

- Live = 1
- Earth = 2
- Neutral = 3
- Pump Live (PL) = 9
- Switched Live (SL) = 8

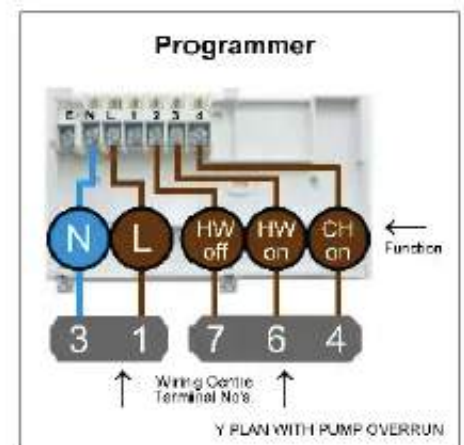


Y Plan with Pump Overrun

# Y Plan Programmer Connections

Y plan central heating & hot water programmer wiring diagram, shown below first is the cable (function) followed by the terminal number of the Y plan wiring centre.

- Live (L) = 1
- Earth ( $\equiv$ ) = 2
- Neutral (N) = 3
- CH (on) = 4
- HW (on) = 6
- HW (off) = 7



Y Plan Programmer Schematic

# Y Plan Power Connections

Y plan power supply connections, shown below first is the cable (function) followed by the terminal number of the Y plan wiring centre.

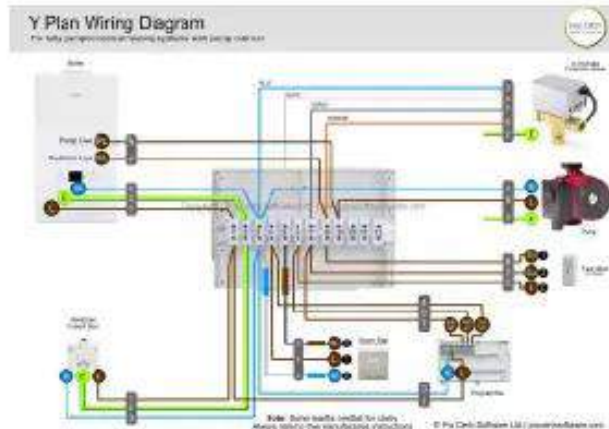
- Live = 1
- Earth = 2
- Neutral = 3





# Y Plan Wiring Diagram

Y Plan wiring diagram for fully pumped systems with pump overrun.



## Downloads

[Y Plan Wiring Diagram.pdf](#)

[Y Plan Wiring Schematic.pdf](#)

*Note: Some earths have been omitted for clarity. Always check and follow the manufacturer's instructions as it may differ.*

### Y Plan Central Heating Wiring Table

Switched Fused Spur	Y Plan Wiring Centre Terminal
Live	1
Earth	2
Neutral	3
Boiler	Y Plan Wiring Centre Terminal
Live	1
Earth	2
Neutral	3
Switched Live	8
Pump Live	9

<b>Pump</b>	<b>Y Plan Wiring Centre Terminal</b>
Live	9
Earth	2
Neutral	3
<b>3 Port Valve</b>	<b>Y Plan Wiring Centre Terminal</b>
Green/Yellow	2
Blue	3
White	5
Grey	7
Orange	8
<b>Hot Water Thermostat (Tank Stat)</b>	<b>Y Plan Wiring Centre Terminal</b>
Live	6
Switched Live 1	8
Switched Live 2 (HW off)	7
<b>Central Heating Thermostat (Room Stat)</b>	<b>Y Plan Wiring Centre Terminal</b>
Live	4
Neutral	3
Switched Live	5
<b>Programmer</b>	<b>Y Plan Wiring Centre Terminal</b>
Live	1
Earth	2
Neutral	3
HW Off	7
HW On	6
CH On	4
Y Plan wiring details for fully pumped central heating systems with pump overrun	