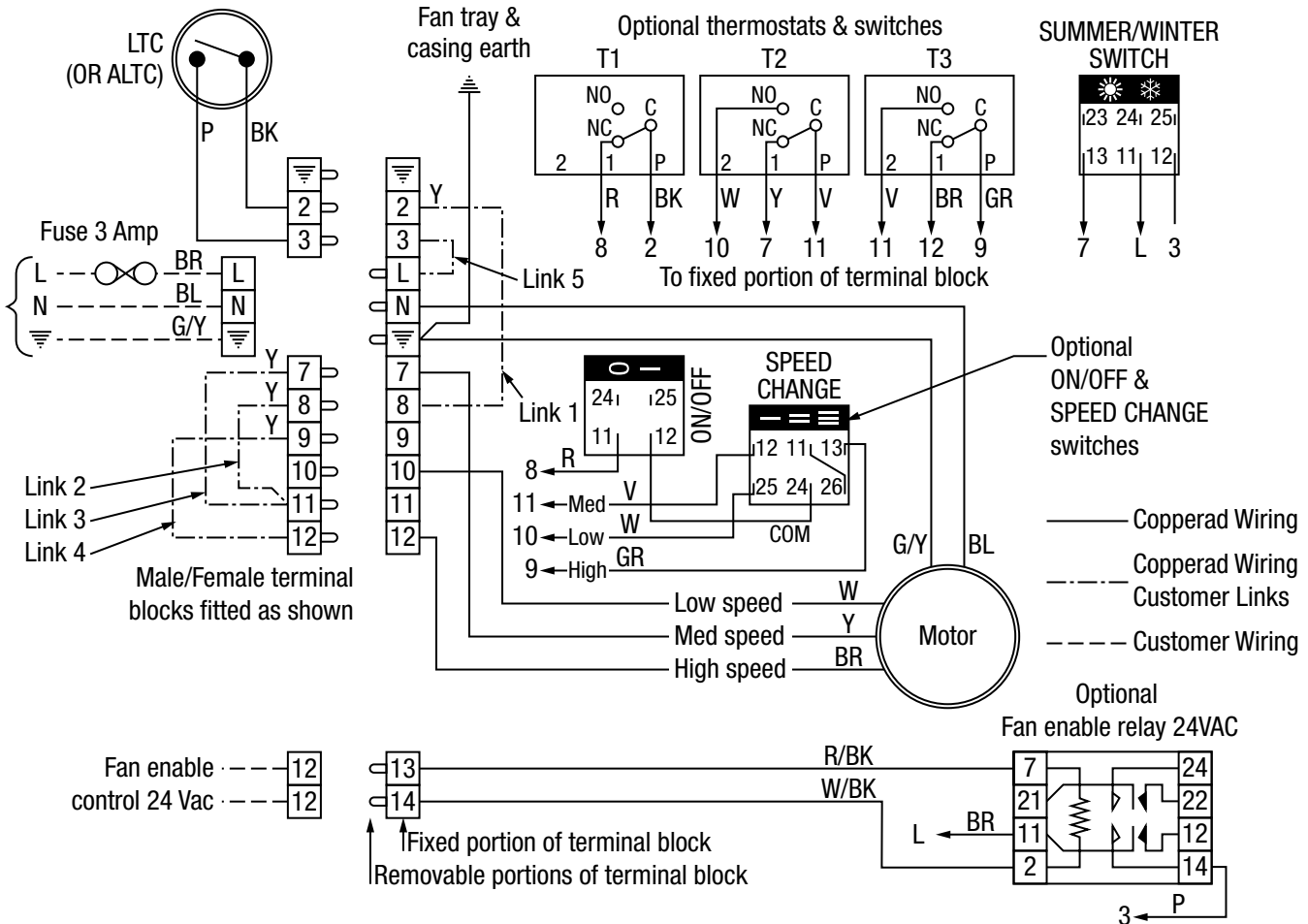


Fan Convectors

Electrical diagram

Diagram 1: Internal control wiring



The basic wiring is shown above for a unit without optional control equipment fitted – as such it is set to run continuously at the medium speed setting. The optional switch and thermostats which can be inbuilt are also shown together with the arrows and numbers indicating the connecting wire and terminal block positions that they would occupy if fitted. If any of these options are inbuilt, then some of the dotted Links shown numbered 1 to 4 are removed, as follows:

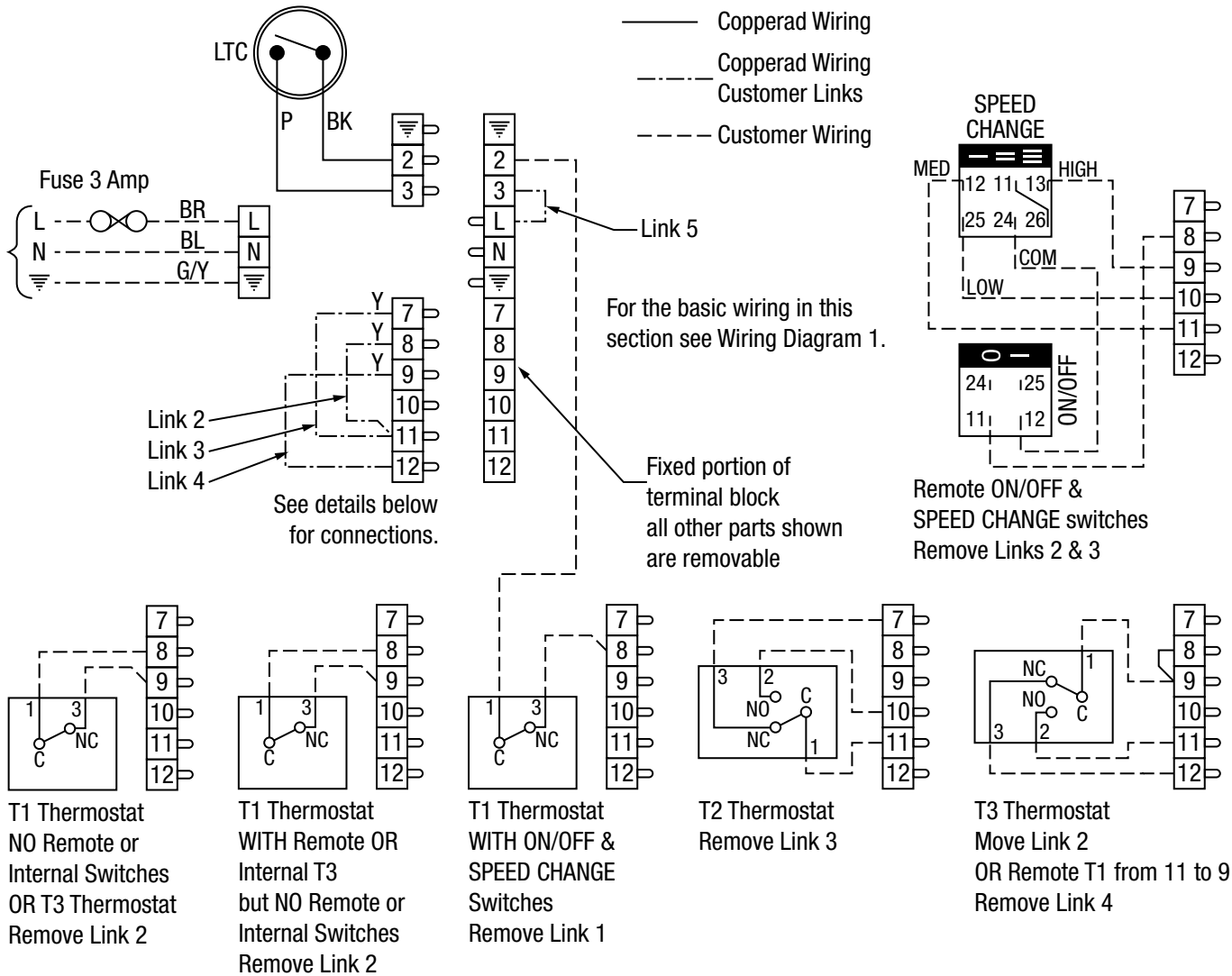
- If on/off thermostat T1 is required, then Link 1 would not be fitted
- If speed control switch is required, then Link 2 would not be fitted
- If speed change thermostat medium to low (T2) is required then Link 3 would not be fitted
- If speed change thermostat high to medium (T3) is required then Link 4 would not be fitted and Link 2 must be fitted between 8 and 9.

Notes

1. The LTC is factory fitted as shown in diagram No 1.
2. T1, T2 and T3 cannot all be inbuilt and wired in together as indicated in the diagram. They must be fitted in combinations of T1 and T2, T1 and T3 or T2 and T3. If, however, a control system involving all three is required. Then it is recommended that the T1 thermostat must be remotely mounted.
3. If T3 or T2 and T3 are required to operate without a switch, then Link 2 will be fitted between positions 8 and 9 on the terminal block.
4. If a unit basically wired for single speed running is required to operate at low speed, then alter Link 2 to connect between positions 8 and 10 on the terminal block. Similarly, for high speed re-connect Link 2 between positions 8 and 12.

Site wiring - remote options

Diagram 2: Remote control wiring



Thermostat terminal numbers refer to Copperad supply only.
For thermostats by others, refer to manufacturer's own literature.

When required to operate with remotely mounted controls, units will be supplied basically wired for medium speed running as shown in diagram no 1.
For all units, we recommend a 3 amp fuse is fitted.

The remote switch and thermostats required should be fitted to the removable sections of the terminal block as shown.

1. To fit a on/off speed change switch combination, remove Link 2 between terminals 8 and 11.
2. To fit a remote on/off thermostat (T1) remove Link 1 between terminals 2 and 8 on the fixed section of the terminal block.
3. To fit a remote speed change thermostat – medium to low (T2) remove Link 3 between terminals 7 and 11.
4. To fit a remote speed change thermostat – high to medium (T3) remove Link 4 between terminals 9 and 12.
5. To fit a summer/winter switch, connect the two switch terminals to 8 and 3 in parallel with the LTC.

Electrical wiring colours

BK	BR	R	Y	BL	V	GR	W	P	G/Y
BLACK	BROWN	RED	YELLOW	BLUE	VIOLET	GREY	WHITE	PINK	GREEN/YELLOW