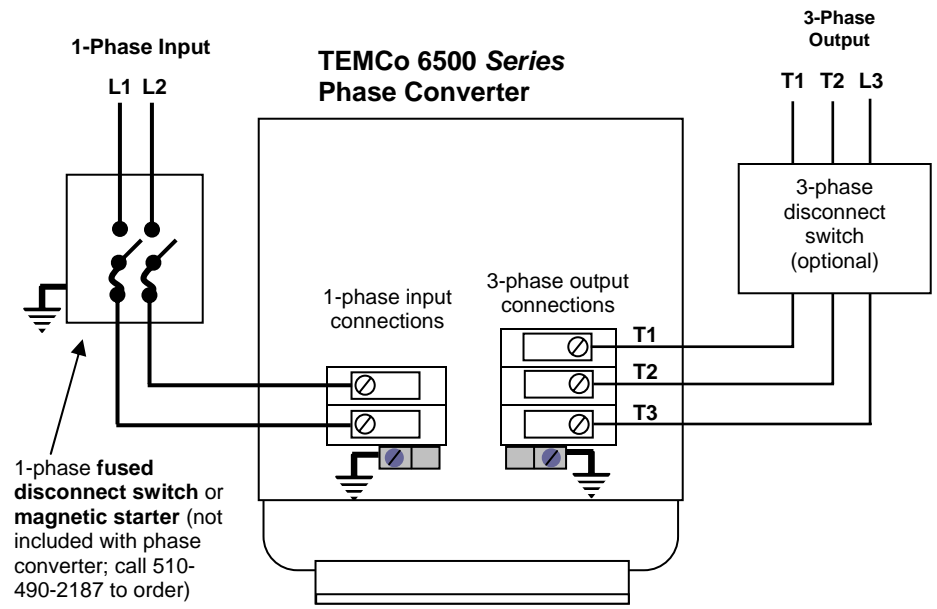


6500-001

Single Unit Installation



1-phase fused disconnect switch or magnetic starter (not included with phase converter; call 510-490-2187 to order)

Installation Notes

1. This diagram is not intended to replace or supersede any requirements of local, state or national electrical codes.
2. Use only dual element time delay fuses or a magnetic starter with thermal overloads to protect the TEMCo Phase Converter.
3. Do not bolt the TEMCo Phase Converter directly to the floor. It is highly recommended that a resilient vibration isolator (RVI) be used. Call 510-490-2187 to order.
4. No load voltage on the 3-phase output from T1 – T2 or T3 – T2 will exceed T1 – T3 by 5% (T2 on the output is the generated leg). Voltages will balance when a load is applied.
5. Do not connect control circuits which require ground or neutral (to produce 110V) to the generated Line T2 on the output. This TEMCo Phase Converter provides a 3-phase **DELTA** output. On the output, voltage from T2 (generated leg) to ground / neutral will be 180-220V on a 208-240V system. If a **WYE** (or 4 wire) 3-phase output is required, a 3-phase **DELTA** to **WYE** transformer is required.
6. This TEMCo Phase Converter must always be started before any load is applied (even a non-loaded 3-phase transformer will constitute a small inductive load).
7. All loads must be turned off in the event of a power failure to prevent TEMCo Phase Converter startup with a load applied when the power comes back on. Equipping 3-phase loads with magnetic starters is recommended. A magnetic starter will automatically shut off equipment if power is lost, protecting the TEMCo Phase Converter from starting under load when power is restored.

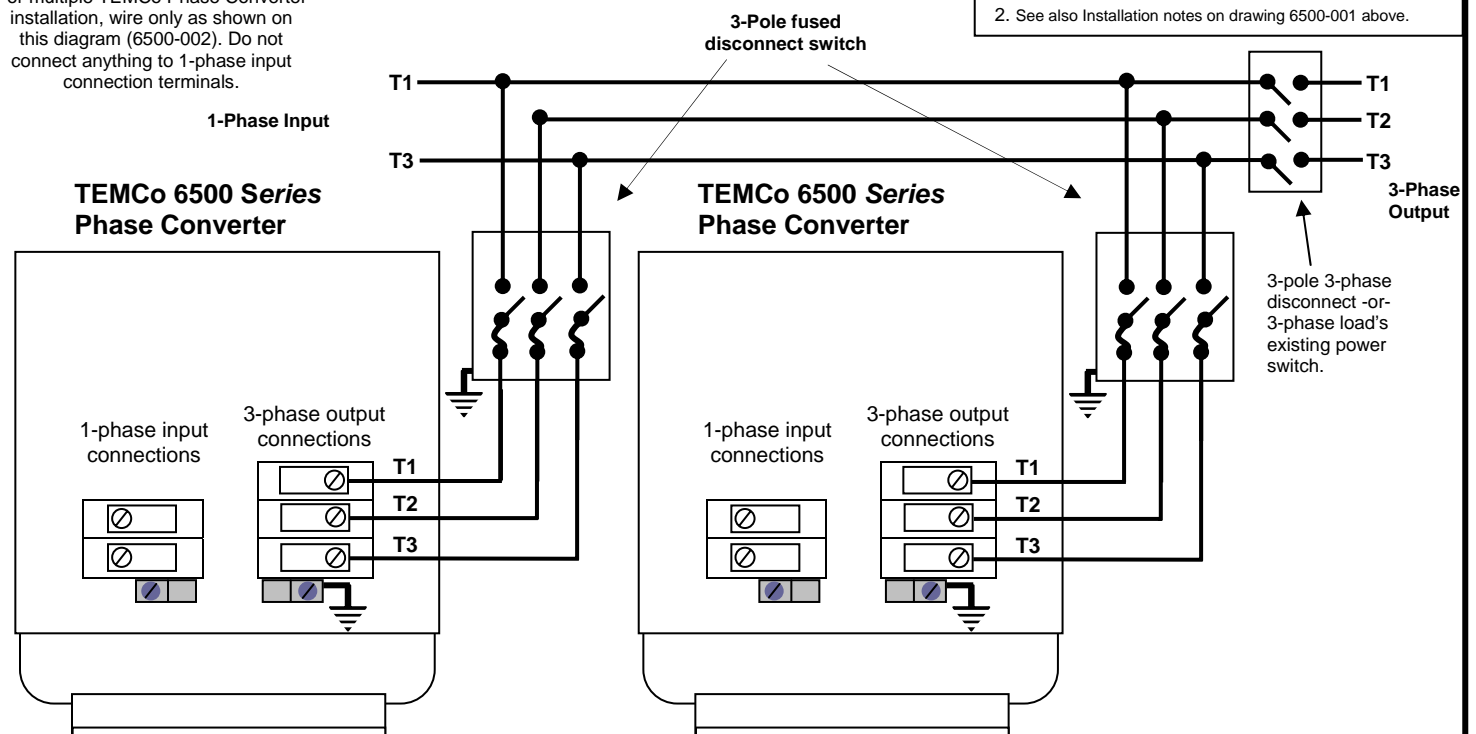
6500-002

Multiple Unit Parallel Installation



WARNING

For multiple TEMCo Phase Converter installation, wire only as shown on this diagram (6500-002). Do not connect anything to 1-phase input connection terminals.



Installation Notes

1. As many TEMCo Phase Converters as you need to suite your application may be connected in parallel for increased output provided that your 1-phase branch circuit is capable of supporting the load.
2. See also Installation notes on drawing 6500-001 above.