

INSTALLATION INSTRUCTIONS

TCL-REM240 Redundancy Module for TCL series

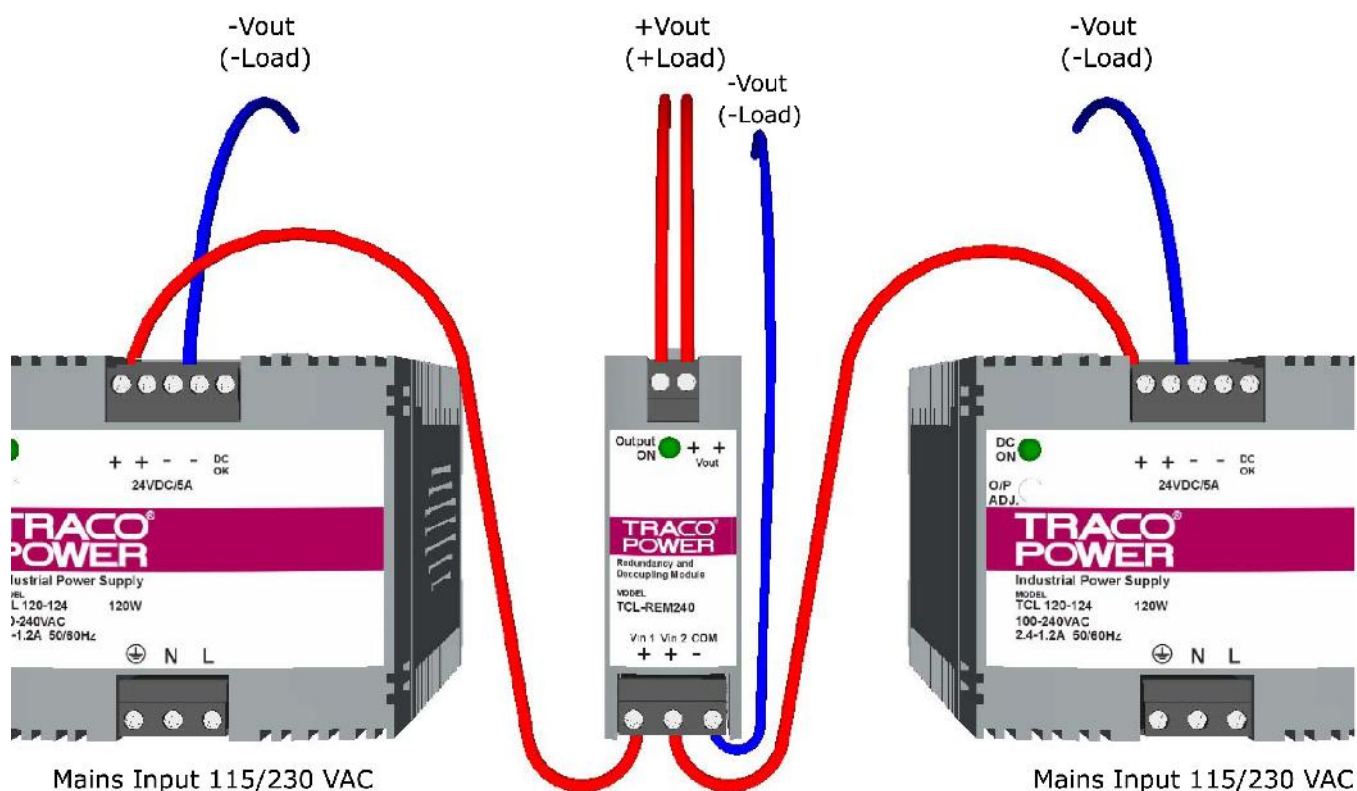
This module enables redundancy operation of any two TCL models by decoupling the 2 power supplies. It can also be used to separate sensitive loads from the main power supply.

Order Code	Nominal Input Voltage	Input Voltage Range	Max power per input	Output voltage	Max. Output Current
TCL-REM240	5...48Vdc	5...60Vdc	200 Watt	Vin - 0.9Vdc	8A

General:

Operating temperature range: Natural Air Convection Cooling	-10°C – +70°C max 14°F – +158°F max
Storage temperature range:	-25°C – +85°C max -13°F – +185°F max
Parallel Operation:	Up to 2 power supplies possible
Electromagnetic compatibility:	In correspondence to connected units (no internal switching device)
Case material:	Grey plastic → FR2010-110C (PC-ABS V0)
Connection:	Detachable screw terminal block

Connection Diagram:



Safety Instructions:

- Before installation read these instructions carefully and completely. This installation instruction cannot account for every possible condition of installation, operation or maintenance. Further information can be obtained from your local distributor's office or from the product datasheet, which can be downloaded, from the Internet at <http://www.tracopower.com/products/tcl.pdf>.
- The mains supply voltage connection, must be in accordance to IEC 62103, EN 50178 and IEC 60364, VDE 100.
- Before any installation, maintenance or modification work ensure that the main switch is switched off and prevented from being switched on again. Non-observance, touching of any live components or improper handling of TCL-REM240 can result in death, severe personal injury or substantial property damage. Proper and safe operation is dependent on proper storage, handling, installation and operation.
- Compliance with the relevant national regulations (in the USA, Europe and other countries) must be ensured. Before operation is started the following conditions must be ensured:
 - ❖ Connection to the TCL power supplies in compliance with national regulations (VDE0100 and EN50178).
 - ❖ By use of stranded wires, all strands must be fastened in the terminal blocks.
 - ❖ All input and output wires must be rated for the rated current and must be connected with the correct polarity.
 - ❖ Sufficient cooling must be ensured.
- **Never work on TCL-REM240 if power is supplied!** Risk of electric arcs and electrical shock, which can cause death, severe personal injury or substantial property damage.
- **Warning: Do not open the TCL-REM240 until at least 5 minutes after it has been disconnected from the power supplies on all poles.**
 - ❖ Only trained personnel may open the TCL-REM240.
 - ❖ Do not introduce any objects into the power supply.
 - ❖ Keep away from fire and water

Installation Instructions:

- This TCL-REM240 is designed for professional indoor systems. In operation the TCL-REM240 must not be accessible. It may be installed and put into service by qualified personnel only.
- The correct mounting position for optimal cooling performance must be observed. **Do not cover any ventilation holes.** Leave a free space of minimum 50mm (2in.) above and below the power supply. Observe power derating.
- **Recycling:** The unit contains elements that are suitable for recycling, and components that need special disposal. You are therefore requested to make sure that the power supply will be environment friendly recycled at the end of its service life.