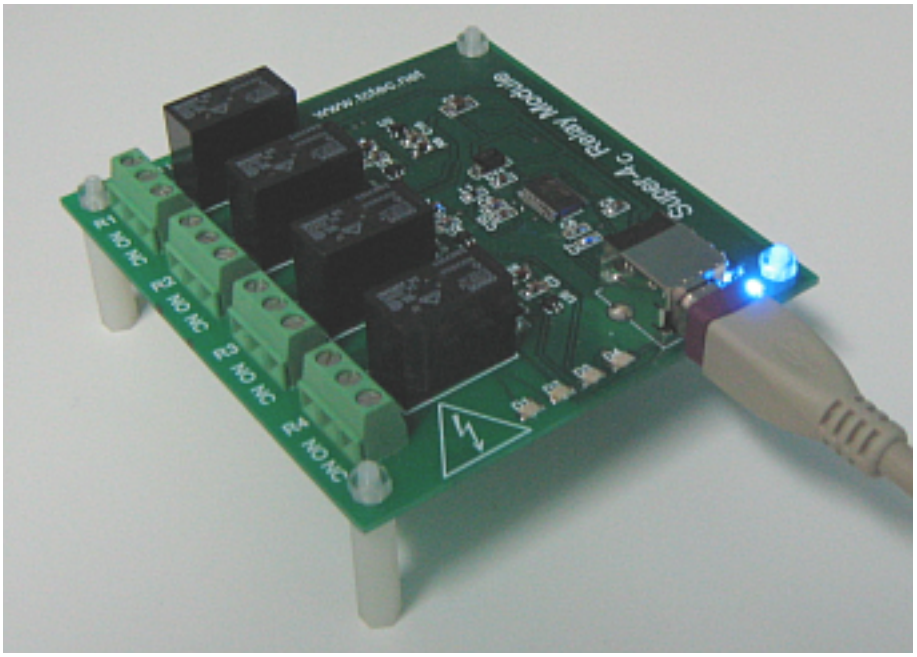
Super4 USB Relay Module

User Manual

Version 1.4



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Product Description

The SUPER4 Relay is a USB relay control board containing 4 mechanical SPDT (Single pole double throw) power relays.
Direct FTDI dll control is used to drive the relays in “bit mode” (Not virtual com port).
A command line exe (Relayset.exe) and a windows ™ based test application (RelayManager.exe) are provided for use on MS windows systems.

The FTDI USB module is also supported with dlls that can be used on other operating systems such as Linux to control the relays.

Hardware versions:

Super4 a, Super4 b : Using MM232 FTDI USB module.

Super4c:

- MM232 USB module replaced with IC and PCB-mount USB plug.

Super4d:

- Component change IC1 and IC2

System Requirements

1. Relay manager and relayset.exe require MS Windows 2000, XP or Vista
2. FTDI USB drivers for your operating system (included in windows installer).

Specifications

Current consumption when all relays are activated:	350 mA
Supply:	USB powered
Dimensions:	86 mm x 92mm x 20mm
Relay Switching / Control speed:	100mSec
Relay specifications: Omron G5SB-14-5DC	
30VDC @ 5Amps, 250VAC @ 5Amps	

Software

Relayset.exe

MS windows command line application for switching relays.

Relaymanager

Windows application for testing relay boards.
Requires MS DotNET runtime.

super4.dll

Simple API for controlling from custom applications.

lrelayset.exe

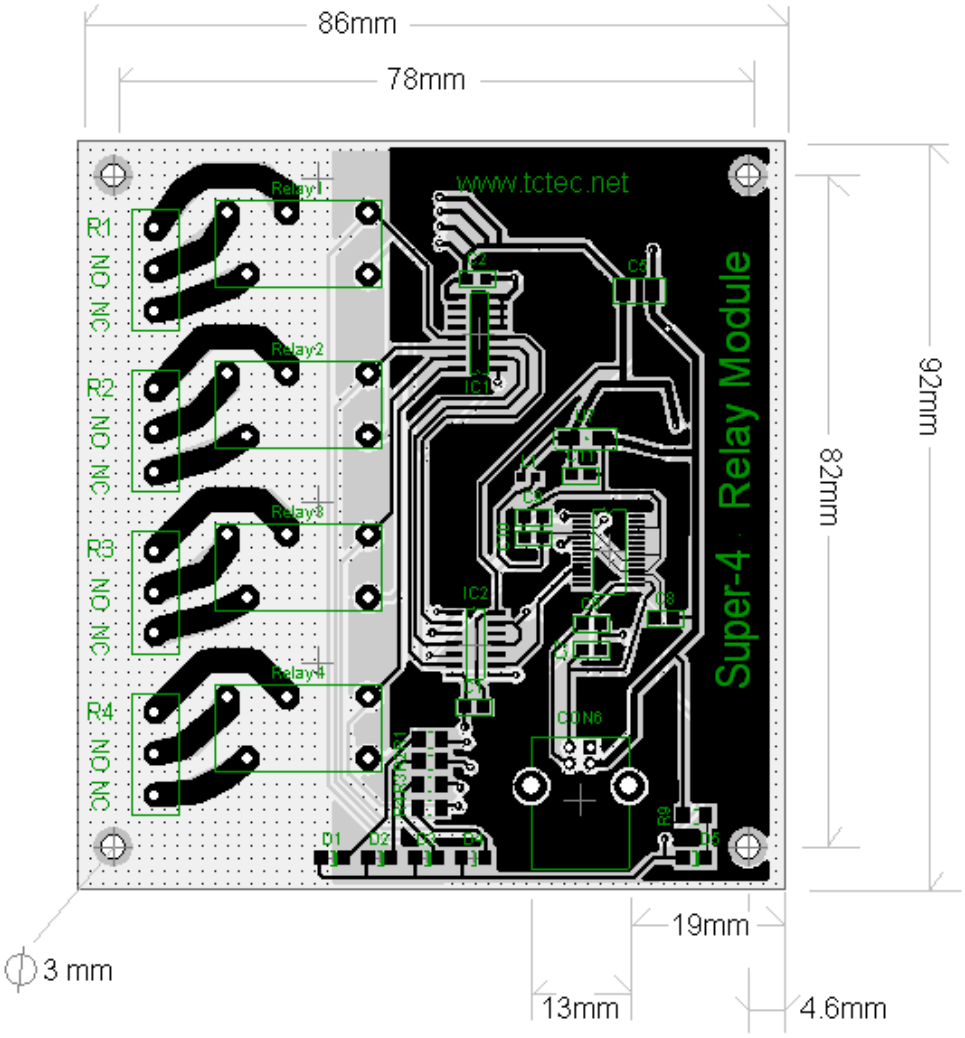
Console application for Linux (C source code available)

tctecUSB4.dll

Dot NET Library.

Please check for the latest software from our website:
www.tctec.net

Physical Dimensions



Disclaimer

This device should not be used in applications where failure may result in death or injury without proper consideration and design of associated system architecture and redundant safety features.
The manufacturer, tctec pty ltd accepts no responsibility for injury, death or loss caused by the use or misuse of this device.