RS232 Relay Board Control Program Manual

Overview

The Relay Control program is designed to allow users to control the output relays and monitor the input bits on the FR88 board through the computer's Serial Port. The microcontroller on the board is PIC16F886. That pre-programmed with Bootloader and firmware. You can develop your own firmware and download it directly to the relay board through the RS232 port don't need the programmer.

.NET framework

Install the Microsoft .NET Framework 2.0 on your computer before start running FR88Ctrl program. Follow this link to download and install the.NET Framework 2.0:
http://go.microsoft.com/fwlink/?linkid=32168

FR88 Relay Control Main Window:

In this window you can turn on [Set All] and turn off [Clear All] all output bits. You can use the "Setting Buttons" to select status for each individual bit then press [Write to Port] Button to transfer this setting to the output bits.

LED Indication:

Input	Off		On	
I0.0~I0.3		Input circuit Opened		Input circuit Closed
I1.0~I1.3		Input circuit Opened		Input circuit Closed
Output		**Off**		**On**
Q0.0~Q0.3		Relay Contact Opened		Relay Contact closed
Q1.0~Q1.3		Circuit Opened		Circuit Closed

Setting Button State:

These buttons allow you to individually control an output bit.

	Off	On
Setting Button		

Button Operation:

[Write to Port]: Will write the “Setting Button” values to the output.

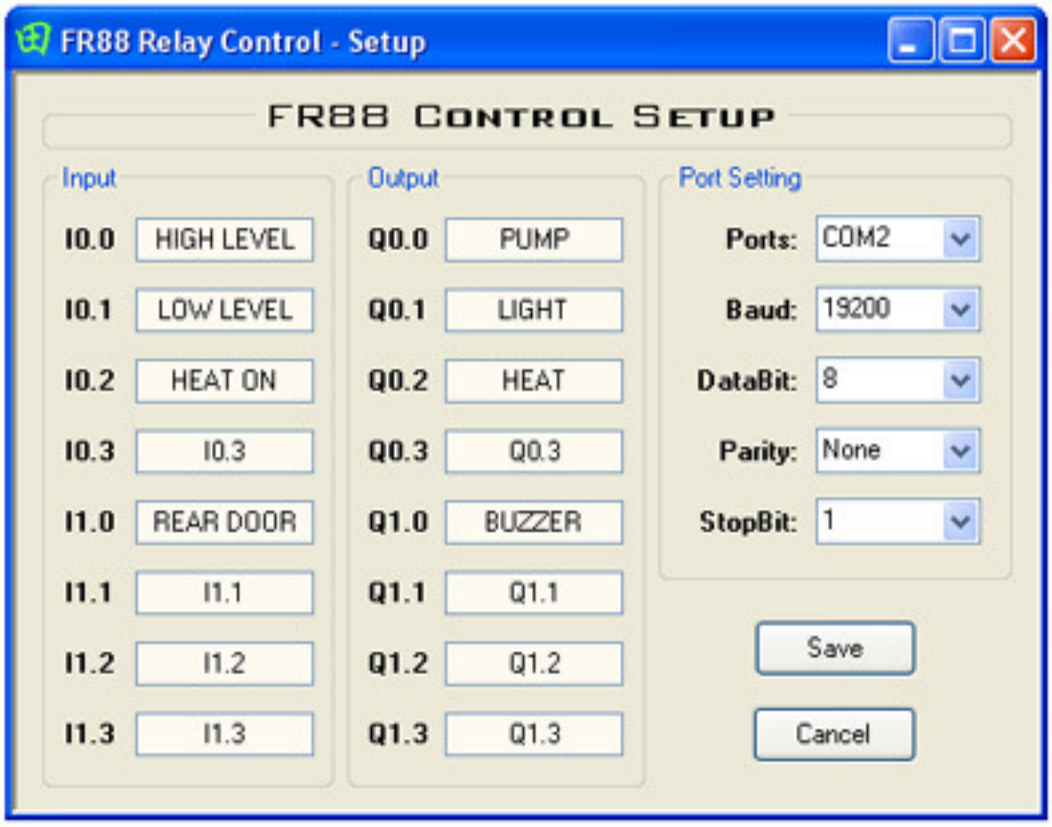
[Set All]: Will turn all output to “ON”.

[Clear All]: Will turn all output to “OFF”.

[Edit]: Will open Label Edit window and allows you to change labels and parallel port base address.

[Quit]: Will quit program.

FR88 Relay Control – Label Edit and Port Setting Window:



In the Label Edit window, you can edit the labels from I0.0 to I1.3 for the input, and Q0.0 to Q1.3 for the output. Also you can change Serial Port settings.

Button Operation:

[Save]: Will save changes and close Label Edit window.

[Cancel]: Will close Label Edit window without saving any changes.