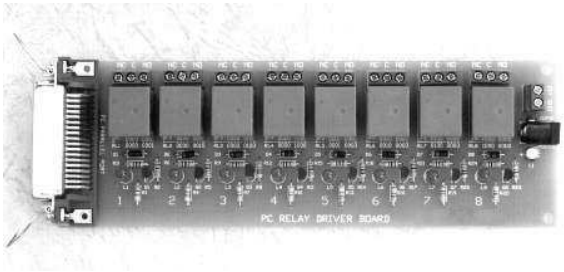
AUDON
ELECTRONICS

PPO-RL8
Parallel Port Relay Board

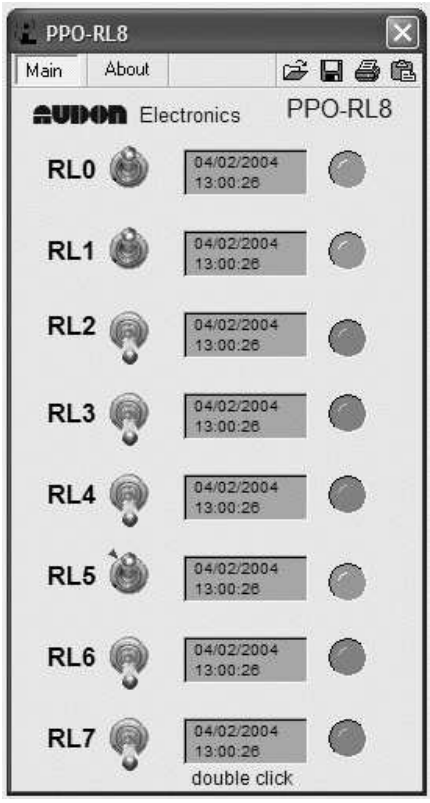
The PPO-RL8 is a general-purpose parallel port relay board offering 8 10A change-over relays. The relays are simply controlled by writing an appropriate word to the parallel port. Connection to the PC is via a 2M-printer cable (included). Relay power is supplied either via screw terminals or by a 2.1mm DC power connector (suitable for use with common mains adapters).

Specifications



- 8 Form C changeover relays rated 7A 250V AC, 10A 125V AC, 7A 30V DC
- LED indication of relay status
- 12V DC power supply 500mA
- Dimensions 175mm x 65mm
- Power connection via screw terminals or 2.1mm DC power connector (centre +ve)
- 2M Cable supplied
- PSU NOT supplied

Windows Software



The PPO-RL8 is supplied with a general purpose Windows program.;

- Manual control of each relay via "Toggle" switch
- Virtual LED indication of relay status
- Timer function - each relay can be independently made to switch on or off at timed periods
- Unlimited on/off times can be programmed
- Resolution down to 1 second
- Different times for each day if required
- Time settings can be saved in a setup file
- Works with LPT1, LPT2 or LPT3
- Compatible with Win 95/98/Me/2000/XP

Installation

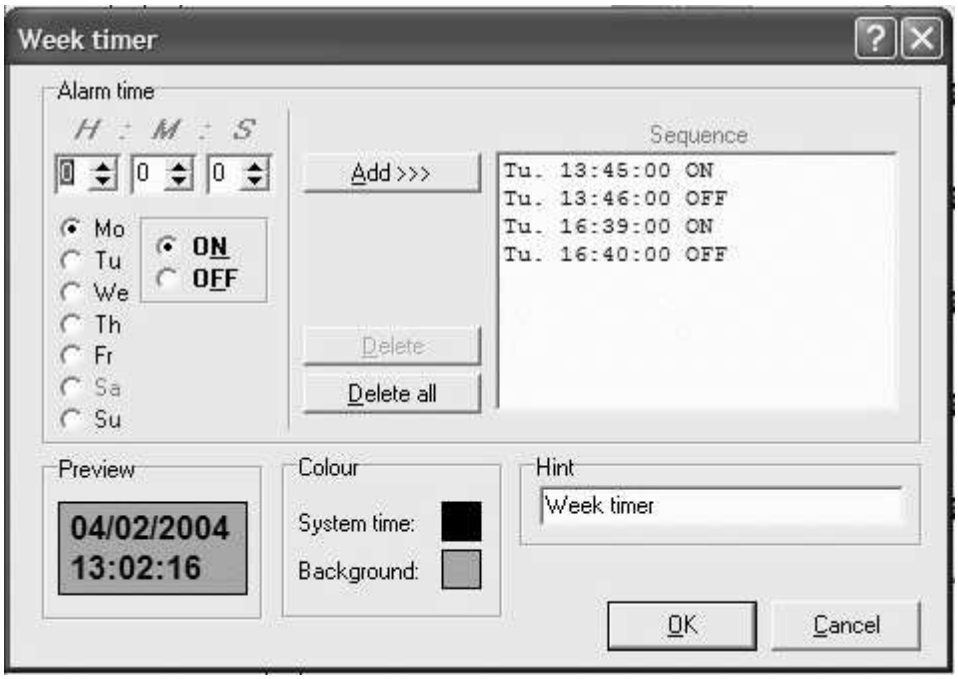
Create a directory on your PC and copy all the files from the CD in the folder PPO-RL8 into it. Run the program PPO_RL8.exe. The screen as shown above will be displayed, and the program will default to using LPT 1. To change to another LPT port, click on the “Hardware Configuration” button at the top right of the window, or press the F6 function key. A window will appear showing the LPT settings.

Audon Electronics 123 High Road, Chilwell, Nottingham, NG9 4AT UK
Phone +44 (0)115 925 8412 Fax +44 (0) 115 925 9757 email info@audon.co.uk

Operation - Outputs

Move the mouse to a toggle switch and click. You will see the toggle switch change position, and the corresponding LED will illuminate to indicate that the Relay has been activated.

A timed weekly sequence can be set up for each relay. Double click on the grey Timer panel to bring up the Timer window. **NOTE – the toggle switch must be set to OFF for the timed output to work.**



Click the Add button to add a new on/off time. You can set the event day, time and whether the event is an on or off event. The timed events are automatically listed in chronological order. Complete timed sequences can be saved to a file by clicking on the "Save Settings" button on the main program window. Likewise, previously stored sequences can be recalled by clicking on the "Load Setting" button.

Writing You Own Software

The supplied program is written using ***ProfiLab*** software package available form Audon Electronics. This is a low cost graphical programming package aimed at non-programmers. A Demo version is available on the supplied CD.

It is also possible to write your own software using Visual Basic, C++ Delphi etc using a port I/O driver, many freely available on the Internet. A data word is written to the appropriate LPT port address, data bit 0 corresponding to RL0 data bit 1 corresponding to RL1 etc

LPT	ADDR	RL0	RL1	RL2	RL3	RL4	RL5	RL6	RL7
1	378(Hex)	D0	D1	D2	D3	D4	D5	D6	D7
2	278(Hex)	D0	D1	D2	D3	D4	D5	D6	D7
3	3BC(Hex)	D0	D1	D2	D3	D4	D5	D6	D7