

Reed Relay Output ISA Board

PC263

Registered
ISO 9001
Company

- 16 relay contacts will switch up to 1.0A or 200V DC with isolation from the computer
- LED display of relay output status
- Read back register for relay status
- Multiple boards may be used for more outputs
- Ideal for motor starter control, alarm activation and energy management applications
- Windows DLL and examples in Delphi, HP Vee and Visual Basic

PC 263 is a plug-in board which can be used to directly control up to 16 external devices or loads.

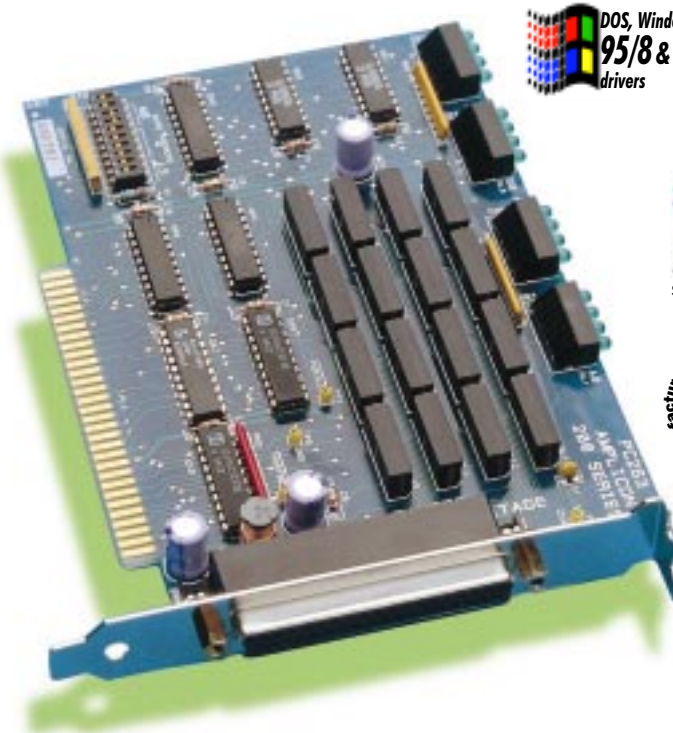
Relays give isolated control

PC 263 has 16 independently controlled single pole, single throw, dry reed relays. Each relay has an associated LED to indicate its output status and its contact is rated at 15W. The breakdown voltage between open contacts is 250V DC and between contact and PC's ground is 300V DC. The switching time is just 0.5ms.

The relays are arranged in 2 contiguous ports with 8 relays to each port. The base address is user selectable to any even address between 000H to 7FEH.

Read back the status anytime

Software control of the relays is possible from the supplies DLL to control the individual relays on the board. A feature of this board is a read back facility which allows the current state of the relays to be



DOS, Windows
95/8 & NT/2000
drivers

VEE Pro
SEE PAGE 224

Designed & manufactured in the UK
AMPLICON
LIVELINE

VALUE
PACK
SAVE
SEE PAGE 119 FOR DETAILS

SPECIFICATION

Relays	Dry reed, normally open
Contact ratings	15W max, 200V DC max 1.0A max 0.4Ω resistance including track and connector Hold off voltages: Between open contacts 250V DC Contact to PC GND 300V DC
Operating time	0.5 ms max
Software control	Language: any Word size: 8 bits address range: 000H to 07FEH even locations
Other	LED status display for each reed relay output.
Physical size	Fits any half length PC/XT/AT slots, requires 8bit slot only
Power consumption	+5V @ 400mA maximum
Compliance	CE EMC

on a virtual control panel or controlled directly from Visual Basic, Delphi or HP VEE.

PC263 makes all external connections via a female 37 way D connector; a screw terminal assembly and cable or the mating half of the connector is available as an option.

Drivers for Windows 95, 98 and NT are included on the CD ROM.

Connections

PIN	Function	PIN	Function
1	Chassis	20	RL9
2	RL1	21	RL9
3	RL1	22	RL10
4	RL2	23	RL10
5	RL2	24	RL11
6	RL3	25	RL11
7	RL3	26	RL12
8	RL4	27	RL12
9	RL4	28	RL13
10	RL5	29	RL13
11	RL5	30	RL14
12	RL6	31	RL14
13	RL6	32	RL15
14	RL7	33	RL15
15	RL7	34	RL16
16	RL8	35	RL16
17	RL8	36	+5V
18	Chassis	37	Pwr/Gnd
19	Chassis		

determined by the programmer; this can be used as a double check in fail safe systems.

Software includes DLL

PC 263 is supplied with Windows software for testing and controlling the board. Example programs with well commented source code for C, Delphi and Visual Basic are included with every PC263.

For Windows users an example program allows a complete non programmer to switch relays on and off by pushing buttons

DESCRIPTION	PRODUCT CODE
PC 263	
Reed relay output board software and manual	909 457 83
Screw terminal assembly 37 way	908 919 50
37 way screened cable to connect screw assembly to PC263	909 561 09
37 way ribbon cable assembly to PC263	908 919 51
Software and manuals now on CD ROM	