

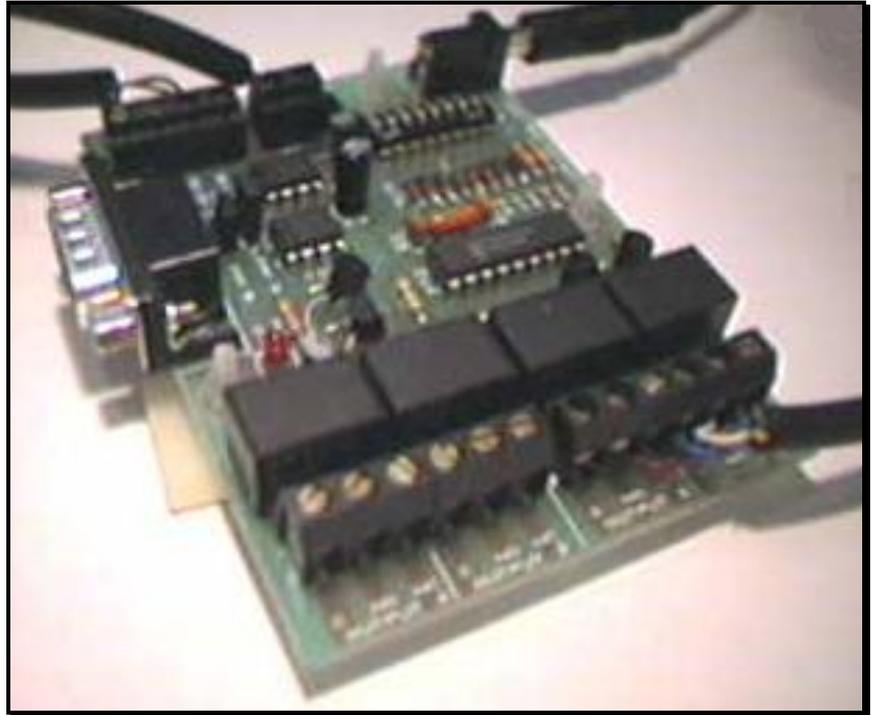
# SOM1<sup>Ô</sup>

## DATA SHEET

### Introduction

Serial Output Modules are devices which are connected to a Serial Port on a PC. The module is equipped with four relays which are controlled over a 2400 baud serial link from the PC. Each relay has a single set of change over contacts which can be used to switch light loads such as low voltage motors, lamps and solenoids.

The software sends commands to the SOM1 through out a serial port on the PC.



The SOM1 is equipped with an address switch which allows for up to 256 modules to be connected to a single PC Serial Port thus allowing a maximum of 1024 relays.

Connection between the first module and the PC is via a standard null terminated modem cable. Connections from the first module to subsequent modules are via screw terminals using screened twisted pair cable. Wiring between the modules is very versatile allowing for daisy chaining and T junctions.

The maximum distance from the PC to the first module is 50 metres and between subsequent modules is 200 metres.

Modules are powered from a D.C. supply in the range 10 to 15 Volts with a maximum current consumption of 100mA (at 12 volts)

The SOM1 cards are supplied as a PCB with mounting pillars. They can be fitted inside a box of your choice.

## Specification

Power	10 to 14 Volts D.C (regulated) @ 100 mA max
Relay Contacts rating	2 Amp 24 Volt dc / 110 Volt ac (1 Amp inductive)
Relay Contact type	Single Pole changeover (SPDT)
Max: Separation	PC to Module: 50 metres
Max: Separation module to module:	200 metres
Size	95mmx80mm
Line Termination	(User Selectable) 600ohm
Address Range	0 to 255
Address Selection	8 way DIL switch
Input Connectors	9 pin 'D' and screw terminals.
Output Connectors	Screw Terminals
Relay Terminals	Screw Terminals
Mounting Holes	3off @ diameter
Data Rate	2400 baud



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