

**Lawson Labs, Inc.**

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### Model 188 Solid State Relay Board

The Model 188 88-Channel Solid State Relay Board provides on/off control of up to 88 devices. The Model 188 can switch AC or DC loads up to 300 volts peak at 75 milliamps. The relays are versatile; they handle 120 VAC as well as 12 VDC. The solid state relays can be controlled by a Lawson Labs Model 201 or Model 250 Data Acquisition System or directly from a PC/XT/AT parallel port. Each relay is a single-pole single-throw switch with both sides brought out to screwdriver terminals. The switches are protected against over-current. All relays are in gold plated sockets. They are initialized to OFF at power-up. Each relay can be individually addressed using simple commands. Also, there is a master reset command to shut off all the relays at once.

The Model 188 is available with 8 to 88 relays installed. The expandable version (Model 188EX), can be populated in the field by plugging relays into sockets. Higher current relays are available for AC only applications. The optional relays can switch 0.25 Amps RMS At 120VAC. There is also an 8-Bit general purpose counter on the board.

The dimensions are 11.4 x 5.8 x 1.1 inches. The power requirement is 5 VDC at 0.8 Amps (or 9 milliamps per installed relay). A 25-pin connector serves the control side. No enclosure is included in the price.

Relays	Model 188EX (expandable)	Model 188 (non-expandable)
8	\$479	\$156
16	\$503	\$212
24	\$527	\$268
32	\$551	\$324
40	\$575	\$380
48	\$599	\$436
56	\$623	\$492
64	\$647	\$548
72	\$671	\$604
80	\$695	\$660
88	\$715	\$715

Add \$2 per relay for high-current AC relay option.  
Availability is stock to 10 days  
Please call for volume pricing