EV2000 Series

Speaker load guide
Maximum Impedance
250 watt = 40 ohms
120 watt = 83 ohms
60 watt = 166 ohms
40 watt = 250 ohms
15 watt = 665 ohms

CONNECTIONS *All models*

TB1	PA2	Mic 2 control-input ground to activate (non-latching)
	M2	Auxiliary input mic level 1mVor music level 100mV.
	GND	Ground for microphones.
	M1	Microphone input, mic level only1mV.
	PA1	Mic 1 control-input, ground to activate (non-latching **PAU** in, latching **PEV** in).
TB2	GND	Key switch or selector switch common.
	AUT	Auto input, ground to activate (cancels any latching).
	EV	Evacuate input, ground to activate (latching).
	AL	Alert input ground to activate (latching).
	ALM	FIB input, ground to activate (non-latching).
	GND	FIB common.
TB3	24 OUT	Fused +24vdc output, use to run relays/ strobe relays etc.
	AL IND	Alert strobe output, 0v switch, to drive strobe relays 800mA max! - use Evactron strobe relay card.
	EV IND	Evacuate strobe output, 0v switch, to drive strobe relays 800mA max! - use Evactron strobe relay card.
	CON OUT	Control output, 0v switch with system activation, to add PA2 link PA2 CONT, 800mA max!
	FLT	N.O contacts, close on speaker fault or power off, run to master alarm if required.
	FLT	N.O contacts, close on speaker fault or power off, run to master alarm if required.
	GND	Battery ground in.
	+24	Battery + 24vdc in.
TB4	SPK OUT	100v monitored speaker output \ To speaker circuit, use 22k "end of line resistor "
	SPK OUT	100v monitored speaker output / for speaker circuit if using monitoring.
	100V IN	100v in, from line transformer \ Take 100v directly from line transformer to
	100V IN	100v in, from line transformer / speakers if monitoring is not required.
TB5	B- T.G	1 volt audio output (SZ60, 120 & 250) or 8 ohm to speaker transformer (SZ40 only)
	A- GND	Spare (SZ60, 120 & 250) or common to speaker transformer (SZ40 only)

See diagram

JUMPERS

Place jumpers in board for following *Spares jumpers, located at end of the circuit board (5 way holder)*

- PAU- Place in if you are using a key switch.
- PEV- Place in if you are using a selector switch or facia control.
- M2 1mV- Place in to make M2 input at mic level (1mV) leave out for M2 at line level (100vV*) ie music etc*
- NOCF- Place in to disable a speaker short from muting the amplifier.
- PA2 CONT- Place in ,to link PA2 input to the control output.

TIMER SETTINGS

	TIMER SETTINGS IN ALARM MODE (ALERT TO EVAC) CHANGEOVER TIME IN MINUTES															
Dip Switch	Straight to Evac	30 sec.	1	1½	2	2½	3	3½	4	4½	5	6	7	8	9	Stay in Alert
SW1	On	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	Off
SW2	On	Off	On	On	Off	Off	On	On	Off	Off	On	On	Off	Off	On	Off
SW3	On	Off	Off	Off	On	On	On	On	Off	Off	Off	Off	On	On	On	Off
SW4	On	Off	Off	Off	Off	Off	Off	Off	On	On	On	On	On	On	On	Off