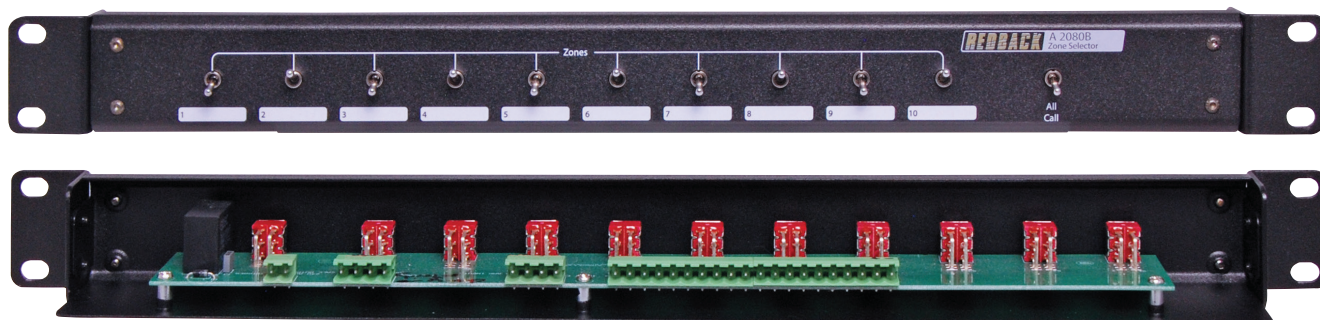




# Operating Manual

## A 2080B Zone Selection Panel



### OVERVIEW

The Redback A 2080B is a 10 Zone Speaker Selection Panel which enables the control of paging and background music. Designed for distributed PA systems such as schools, clubs office buildings and recreation centres.

### OPERATION

The output of an amplifier can be fed into the A 2080B and then distributed to any or all of 10 output zones. The zones are selected by switching the corresponding switch on the front of the unit. The unit also has provision for an "All Call" facility. Switching the "All Call" switch on the front of the unit to 'ON' will feed the input source from the amplifier to all 10 zones. This "All Call" function can also be initiated by supplying 24V DC to the "All Call Trigger" on the rear of the unit. This trigger could be used as an emergency override of zones.

If more than 10 zones are required the units can be daisy chained together to create an infinite number of zones.

NOTE : When multiple units are daisy chained together the "All Call" can be initiated by having any of the "All Call" switches turned ON or by applying 24V DC to any of the "All Call" triggers.

### INSTALLATION

It is recommended that the Zone selection panels be used only with 70V and 100V line amplifiers with a maximum load of 50 watts per zone (at 100V).

**(WARNING : Connecting these units to a 4Ω or 8Ω amplifier system may damage your amplifier.)**

Fig 1 illustrates how to connect a single A 2080B Zone Speaker Selection Panel.

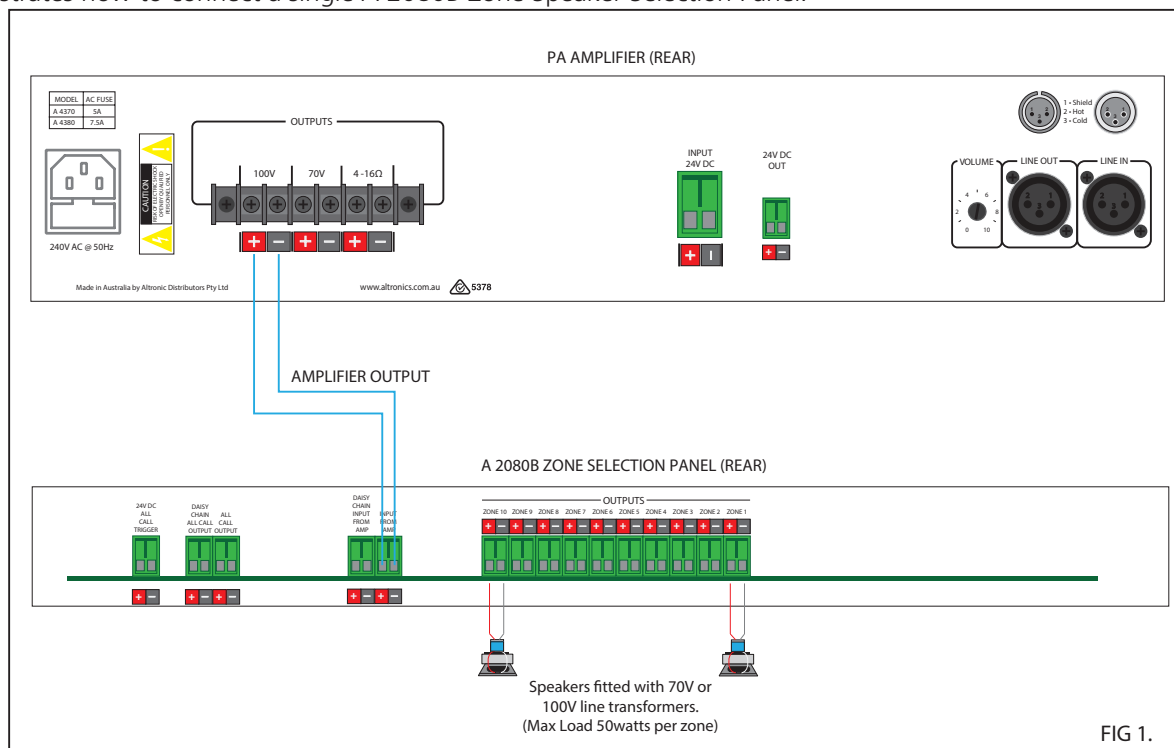


FIG 1.

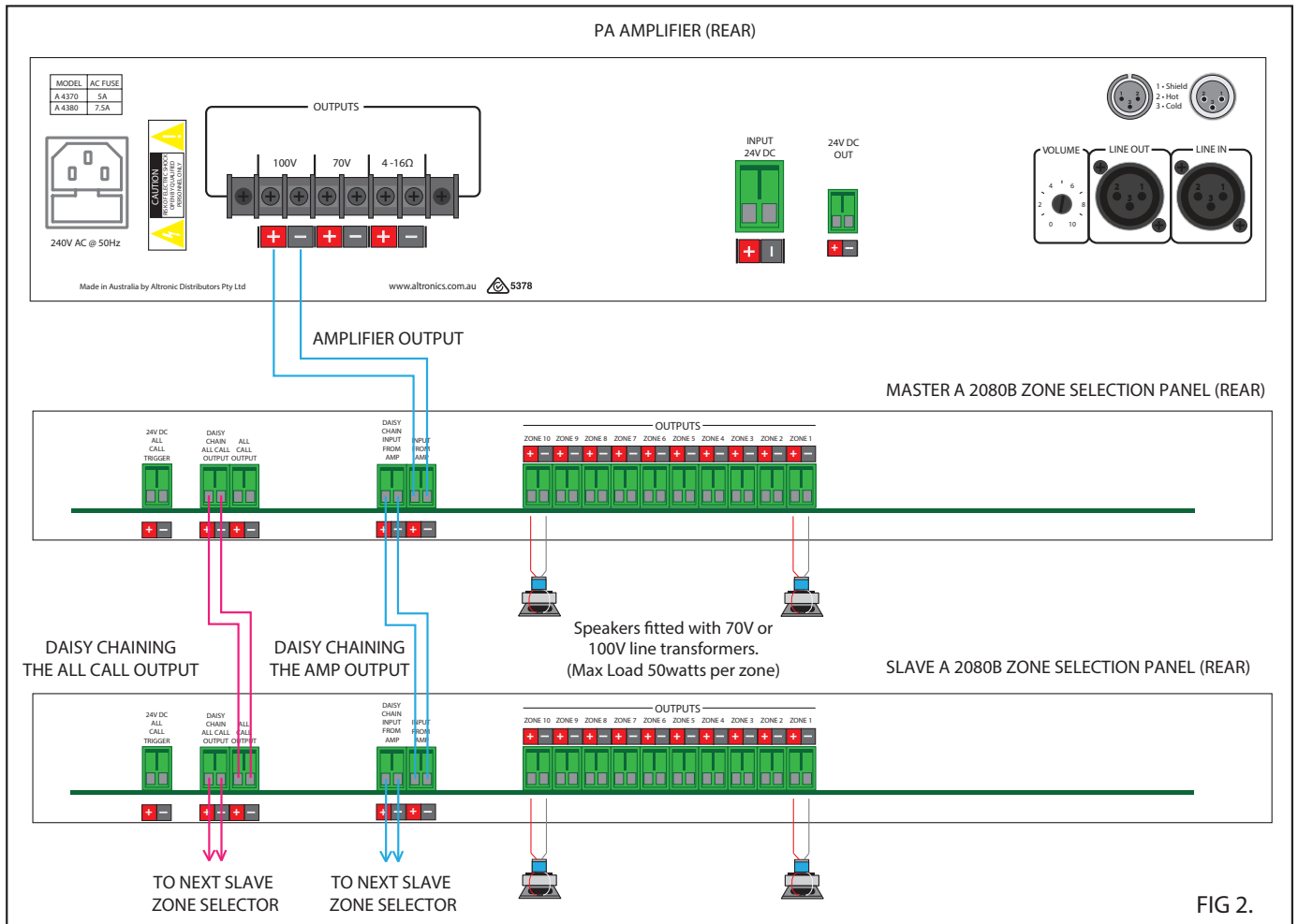


FIG 2.

Fig 2 Illustrates how to daisy chain multiple A 2080B Zone Speaker Selection Panels.

The output of the amplifier is fed into the Master A 2080B which is then daisy chained to the Slave A 2080B speaker selection panels via the daisy chain terminals.

The "All Call" output is daisy chained in the same manner via the "All Call" daisy chain terminals. Combining these "All Call" connections effectively combines all the "All Call" switches so that if the "All Call" switch on any A 2080B is turned 'ON' all units with the daisy chain connection will go into an "All Call" Mode. If any unit has the "All Call" triggered by the 24V DC All Call trigger then any unit with the daisy chain connection of the "All Call" terminals will go into an "All Call" mode. The 24V DC All Call trigger does not need to be daisy chained.

Fig 3 is the circuit diagram of the A 2080B.

