

PRO-80LV

wiring instructions

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**Designed & Engineered
in the United Kingdom
Made In China
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Removing the Grille

Use the supplied grille removal tool to remove the grille to fit the speakers and to gain access to the power setting switch.

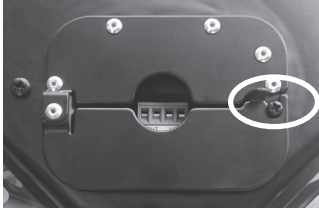
Wiring

To access the wiring connector block, loosen the screw (circled in image 1) and rotate the cover clockwise.

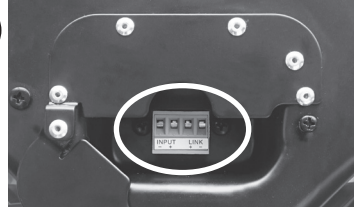
Remove the wiring connector block (circled in image 2) and run signal cables through conduit connector, then insert the cables in to the appropriate connectors and clamp in place. Tighten screw on the cover and push conduit connector into knockout.

NOTE, the maximum wire gauge is 16 AWG. Reconnect the wiring connector block back into the speaker, close the cover and clamp it back in place.

1



2



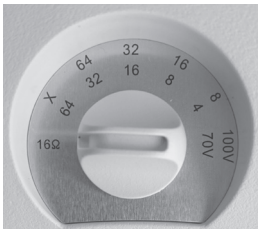
The PRO-80LV is listed to UL 1480A as general signaling equipment. Device is also suitable for installation in air-handling spaces as per UL 2043 requirements.

Switch Position

The switch (item 3 below) position depends on the type and power rating of the amplifier. If using a conventional amplifier the switch should be set to the 16 Ohm position. When in this position, up to 4 speakers can be wired in PARALLEL with each other on each channel giving an overall impedance of 4 Ohms.

If using a 70v or a 100v (inner/ outer figures respectively) amplifier, the switch position depends on the power output of the amplifier. The total power rating of all speakers should not exceed that of the amplifier. For example, if there are 8 speakers and a 75w per channel stereo amplifier, the switch should be set to 16w maximum for greatest system efficiency with 4 speakers connected to each channel (via the parallel links), giving a total of 64w per channel. If, when set to the appropriate setting, it is too loud the switch could be set to a lower value. This will reduce the overall SPL output of the speakers. Please refer to the table 4 (below) for recommended switch positioning.

3



4

Power Rating of Amplifier	Number of Speakers								
	1	2	3	4	5	6	7	8	
25w	16	8	8	4	4	4	NA	NA	
50w	32	16	16	8	8	8	4	4	
75w	64	32	16	16	16	8	8	8	
100w	64	32	16	16	16	16	8	8	
125w	64	32	32	16	16	16	16	8	
150w	64	64	32	32	16	16	16	16	