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COL.6 COL.15. COL.30 COLUMN LOUDSPEAKERS INSTALLATION CONNECTION AND ADJUSTMENT DETAILS

INSTALLATION Column loudspeakers are designed to be mounted with their length generally in the vertical axis for optimum audio performance. They should be mounted using the omnidirectional bracket assembly supplied so that the loudspeaker may be angled correctly.

Depending on local circumstances, the following fitting sequence may be varied for convenience.

First fit the bracket to the (wall) using four appropriate fixings. Loosen the ball-joint by slackening the two recessed Pozidrive® screws in the sides of the bracket moulding. Loosely assemble the mounting bracket with the hexagon bolts with washers, and with the square nuts furthest from the wall.

It is necessary to remove one end (marked) of the loudspeaker to access the terminals and fit the bracket. Remove the three Torx® screws, and release the end plate. Locate the square nuts in one of the three vertical slots and partially tighten the hexagon bolts. Fit the cable through the gland and make connections as below. Refit the end plate. Orientate the loudspeaker and tighten all the ball joint screws.

It may be more convenient to pre-fit the loudspeaker cable (as a tail) and to pre-fit just the ball part of the ball-joint, and then assemble the ball joint at the loudspeaker location.

CONNECTION Connect the incoming 100V line to the fixed terminal block on the inside of the end plate as follows:

100V line input White - Red
 50V line input White - Green

For optimum audio results, always maintain the same electrical phase amongst all loudspeakers in use in a single area

POWER ADJUSTMENT

As supplied, the loudspeaker will be set to maximum power. Select the required power tapping by re-positioning the connector tabs on the transformer as follows:

| Trnsfmr taps | Power consumption (Watts) | | |
|--------------|---------------------------|--------|--------|
| | COL.6 | COL.15 | COL.30 |
| 1-4 | 6 | 15 | 30 |
| 1-3 | 3 | 7.5 | 15 |
| 2-4 | 2 | 5 | 9 |
| 1-2 | 1.5 | 4 | 7.5 |
| 3-4 | 0.9 | 2 | 3.5 |
| 2-3 | 0.5 | 0.8 | 2 |

SPECIFICATIONS

| | COL.6 | COL.15 | COL.30 |
|-------------------------------------|--|------------------------|-------------------------|
| 100V Taps | 6W, 3, 2, 1.5, 0.9, 0.5 | 15W, 7.5, 5, 4, 2, 0.8 | 30W, 15, 9, 7.5, 3.5, 2 |
| Connections | Internal screw terminals, via gland taking 5.5mm dia. Flex | | |
| Response | 110Hz - 20kHz | 100Hz-20kHz | 95Hz - 20kHz |
| Vertical dispersion @ 1kHz (& 4kHz) | 185° (90°) | 170° (45°) | 90° (45°) |
| SPL @ 1W 1M | 88 | 91 | 92 |
| Drivers | 1 x 60mm 1 x 75mm | 1 x 60mm 2 x 75mm | 1 x 60mm 3 x 75mm |
| Mounting | Swivel balljoint bracket (supplied) Standoff 55mm | | |
| Material & colour | Anodised aluminium in silver-grey. Plastic caps RAL7038 | | |
| IP rating | 56 | 56 | 56 |
| Dimensions WxHxD mm | 100 x 109 x 183 | 100 x 109 x 300 | 100 x 109 x 600 |
| Net Weight Kg | 1.3 | 1.8 | 3.4 |
| Shipping Volume CuM | 0.0045 | 0.006 | 0.01 |

CAUTION!

In the interests of safety, all connections and adjustments should be made without the 100V loudspeaker line being in operation. Either switch off the appropriate amplifier, or isolate the 100V line at a junction box.

In the interests of continuous development, specifications are subject to change without notice. E & OE.
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Electromagnetic compatibility (EMC) directive 89/336/EEC and amendment directive 92/31/EEC
 This equipment has been designed and manufactured to the highest standards. If connected and operated as set out in this manual, there should be no Electromagnetic Compatibility problems. If any aspect of operation gives rise to concern, then please contact the manufacturer for advice.