

## Technical Data Sheet

### LINE SPLITTERS

**20-370** EMO E370 LINE SPLITTER 1 channel, 3 way, free standing

**20-375** EMO E375 LINE SPLITTER 6 channel, 3 way, 3U rackmount

#### DESCRIPTION

High quality passive line level audio splitters suitable for broadcast, studio and public address work.

Intended to create galvanically isolated feeds for such purposes as recording from a P.A. system, connecting several recording machines to one mixer and other signal splitting purposes. These transformer isolated splitters are useful for ground loop elimination etc.

Available in two formats, the E370 single channel version is built in a rugged diecast box fitted with one female input XLR connector. The Input feeds directly to the male XLR direct output. The two male transformer isolated XLR outputs, (A & B), have associated ground lift switches. These switches feature a third position where pin 1 is capacitively coupled to 0V. The E375 six channel version offers the same facilities per channel but in a 19" 3U rackmount case.

#### EARTH LIFT/GROUNDING

The earth lift switches may be useful in reducing hum problems and solving ground/earth loops in some applications. As manufactured, signal ground, (XLR Pin 1), is not connected to the metalwork. If it is required to join the metalwork to pin 1 then there is a header on the p.c.b. adjacent to the input female XLR to allow the connection to be made.

#### NOTE

If Output A or Output B is shorted to ground the maximum level reduction in the other output is 1.5dB.

**CAUTION: UNDER NO CIRCUMSTANCES CONNECT THESE PRODUCTS TO ANY MAINS POWER SUPPLY**

#### INPUT & OUTPUT CONNECTIONS

A XLR 3 pin female microphone input with three XLR 3 pin male microphone output connectors are provided wired to IEC-268 Part 12 and BS5428 Part 5/3.

- Pin 1 Ground/Earth/0V
- Pin 2 Signal positive/hot
- Pin 3 Signal negative/cold

#### TECHNICAL SPECIFICATION

|                    |                                                                               |              |
|--------------------|-------------------------------------------------------------------------------|--------------|
| Max Input Level    | +24dBu at 30Hz                                                                |              |
| Frequency Response | 20Hz to 20kHz +/- 0.25dB                                                      |              |
| Distortion         | 0.0015% @1kHz, +26dBu                                                         |              |
| Insertion loss     | 3dB for 600 ohm load                                                          |              |
| Dimensions         | E370: 145 × 94 × 49mm, E375: 19" (482) × 3U (133) × 102mm including rack ears |              |
| Weight             | E370: 0.96kg,                                                                 | E375: 6.02kg |

