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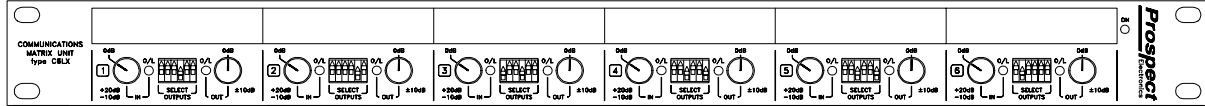
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ELECTRONICS

COMMS MIX-MATRIX UNIT type C6LXT

The C6LXT is a 6-input, 6-output audio mixer units which enables the configuration of talkback systems to be quickly set up or altered by means of the front panel matrix of signal selection switches and level controls.
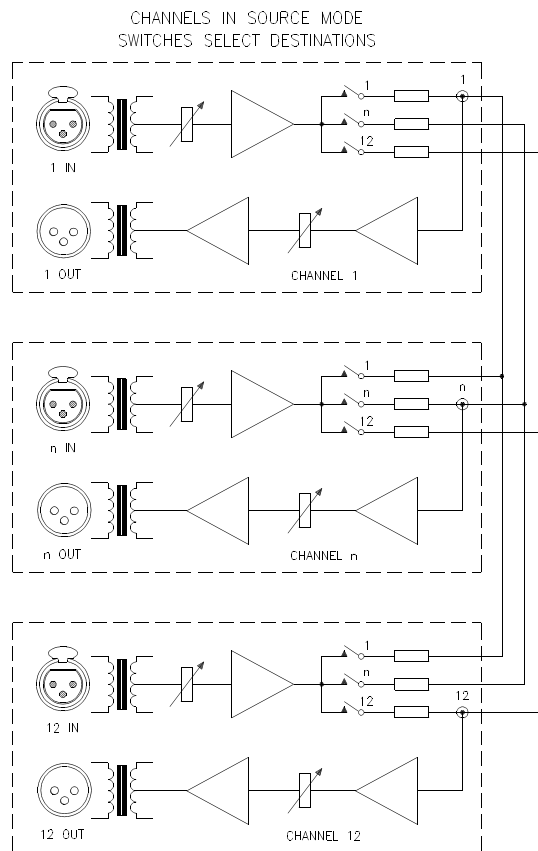

FEATURES

*   36 (6 x 6) front-panel signal selection switches.

*   Input and output level controls on all channels.

*   All inputs and outputs transformer-coupled on XLR3 connectors.

*   High-level signal handling with input and output overload indication on each channel.

*   Low crosstalk on non-selected channels.

*   1U rack-mount case.

DESCRIPTION

The front panel of the C6LXT is divided into six identical channels, each comprising a group of six routing switches, the input and output level controls and overload indicators. The input signal is fed to a group of six switches, each of which routes the signal to the selected outputs. The input level control adjusts the input signal level fed to the routing switch and the output level control adjusts the combined output level of the signals selected to that channel. Input and output overload LED's on each channel indicate when either signal level approaches the onset of clipping.

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BLOCK DIAGRAM

CHANNELS IN SOURCE MODE
SWITCHES SELECT DESTINATIONS

SPECIFICATIONS

INPUTS

INPUT IMPEDANCE	10k ohm on XLR3F
INPUT GAIN RANGE	+20dB to -10dB

OUTPUTS

OUTPUT IMPEDANCE	50 ohm on XLR3M
OUTPUT GAIN RANGE	±10dB
MAX. OUTPUT LEVEL	+20dBU
BANDWIDTH (-3dB)	50Hz to 20kHz
NOISE & CROSSTALK	-50dB @ 10kHz

POWER

	100-240V AC, 10W, on IEC connector

PHYSICAL

DIMENSIONS	482 x 220 x 44mm (1U)
WEIGHT	2.7kg (C6LXT)
FINISH	Dark grey front panel