
LINE ISOLATOR MODEL LI-2782B

PRODUCT DESCRIPTION AND INSTALLATION DETAILS

ACA PERMIT

Design Two Thousand Pty Ltd ACMA Supplier's Code	N468
Telecom Australia Authorisation Number	C87/58/187
Telecom Australia Engineering Approval Number	RA87/102

DESCRIPTION

The LI-2782B is often used as a two wire Leased Line isolator that isolates equipment from Private Leased Lines, providing dc isolation and an ac audio path. The unit can also be used for Music On Hold and Voice Paging applications.

It is also available in a four wire, ten line rack mount version LI-2782BR.

The LI-2782B guards against dangerous voltages being passed from Customer Equipment to the telephone network. The LI-2782B also reduces the risk of electric shock to the customer and/or damages to Customer Equipment, should dangerous voltages be accidentally imposed on the telephone line.

The LI-2782B provides greater than 3500 Volts ac and greater than 5000 Volts dc isolation for more than one minute between the Equipment and Line.

INSTALLATION

If the LI-2782B is supplied with either RJ-12 or RJ-45 jacks, audio is found on the centre pair. If a Telstra Mode socket is supplied, audio passes through the isolator to pins 4 (or2) and 6 on a 604 plug commonly connected to a 611 socket wired to Telecom Mode 12 by an ACMA licensed Installer.

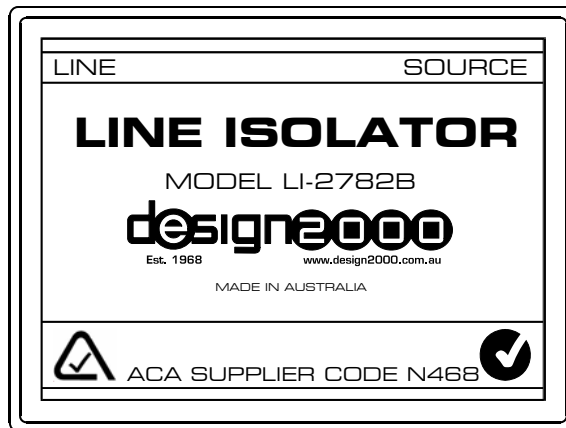
The output level applied to the line can be controlled by the internal attenuating potentiometer, the volume control on the radio or music source, or by selecting a suitable limit point on the internal output tabs.

The output level applied to the line, in accordance with Telecom Australia Communication 298/9/1926, is limited by connection to the Music on Hold Line Isolator internal output tabs to comply with Specifications 1301, 1302 and 1364.

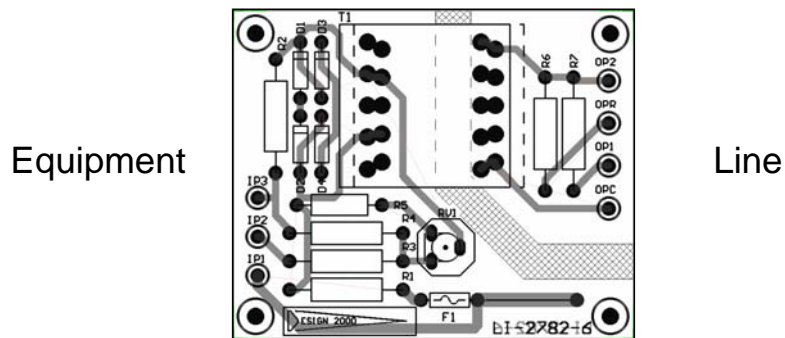
Output Setting:

Tabs OP2 & OPC = 2.8 V p-p. (Standard setting).
Tabs OP1 & OPC = 800 mV p-p.

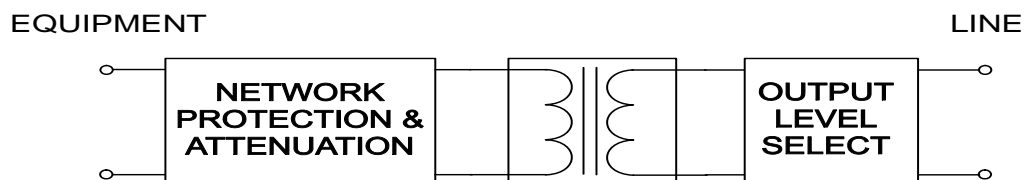
ENCLOSURE DIAGRAM



PRINTED CIRCUIT BOARD DIAGRAM



BLOCK DIAGRAM



Designed and Manufactured in Australia



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N468

