LINE ISOLATOR MODEL LI-2782BRE

For Ethernet Twisted Pair 10Base-T, 100Base-TX, or 100Base-T2 Signaling

PRODUCT DESCRIPTION AND INSTALLATION DETAILS

ACMA PERMIT

Design Two Thousand Pty Ltd ACMA Supplier Code: N468
Design Two Thousand Pty Ltd ERAC Responsible Supplier Number: E1287

DESCRIPTION

The Line Isolator LI-2782BRE is used for isolating equipment connected to Ethernet hubs and switches, providing dc isolation and an ac high speed data path. It can be used for electrical safety and eliminating ground loop/earth potential difference problems.
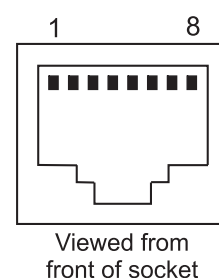
The unit provides up to ten four wire 100Ω isolating circuits transparent to data transmitted between 10 and 100 Mbps, in a 2 unit high 19" half depth rack. The data inputs (equipment Tx/Rx) and outputs (line Rx/Tx) are provided on modular RJ45 sockets.

The LI-2782BRE guards against dangerous voltages being passed from Customer Equipment to the data network. The LI-2782BRE also reduces the risk of electric shock to the customer and/or damage to Customer Equipment, should dangerous voltages be accidentally imposed on the hub, router or megalink etc..
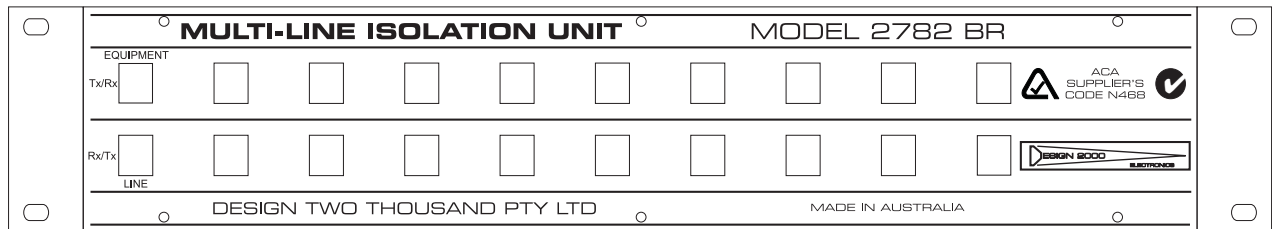
The LI-2782BRE provides greater than 2000 Volts RMS isolation for more than one minute between the Equipment and Line, complying with AS 3260.
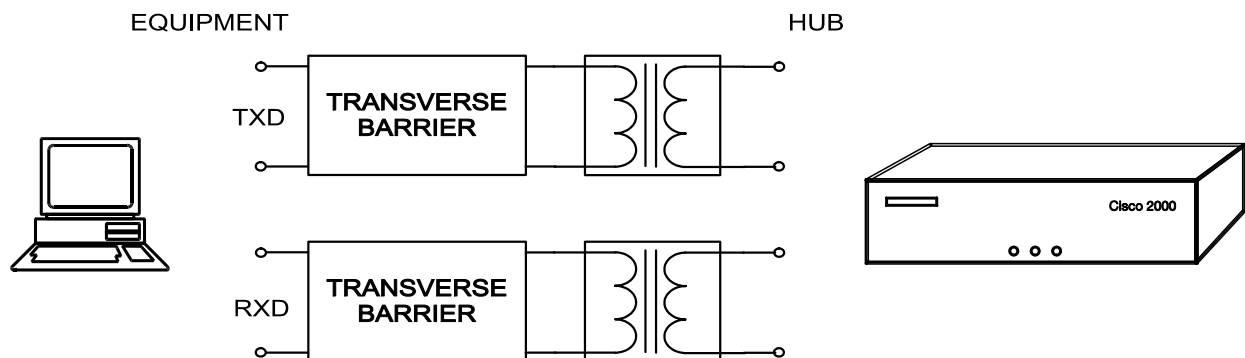

CONNECTION

Equipment (SK1)	TXD +	Pair 3	Pin 1
	TXD -	(T568A)	Pin 2
	RXD+	Pair 2	Pin 3
	RXD-	(T568A)	Pin 6
Line (SK2)	TXD +	Pair 3	Pin 1
	TXD -	(T568A)	Pin 2
	RXD +	Pair 2	Pin 3
	RXD -	(T568A)	Pin 6

1   8

Viewed from
front of socket

FRONT PANEL DIAGRAM

BLOCK DIAGRAM

EQUIPMENT   HUB

TXD   TRANSVERSE
       BARRIER

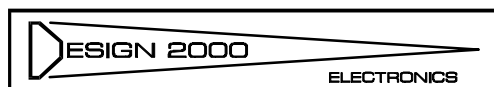RXD   TRANSVERSE
       BARRIER

Cisco 2000

PART NUMBERS

RA-4795   LI-2782BR 2RU 19" Sub-rack
PC-4796 100 Mbps   4W 100 Mbps Line Isolation Card

Designed and Manufactured in Australia

DESIGN 2000 ELECTRONICS

Design Two Thousand Pty Ltd
Melbourne Australia

Telephone: 03 9758 5933
Facsimile: 03 9758 5560
Email: gen@design2000.com.au
Web site: www.design2000.com.au

N468