

series - line isolation units

High Voltage protection and safety solutions.



products:

high voltage isolators

- ▶ >20kV fibre optic with line reversal option
- ▶ 3kV 4203
- ▶ 2.7km long distance lightpipe

data transformers

- ▶ low frequency - voice/fax/modem.
- ▶ high frequency - cable / ADSL / ISDN

high voltage links

- ▶ Removable high voltage links

power modules

- ▶ 240V mains power supplies
- ▶ battery backup power supplies

fibre enclosures

- ▶ lockable enclosures
- ▶ very small to very large enclosures

versatile

easy to use

durable

dependable

The **Line Isolation Unit** series of products have outstanding and versatile features to suit all of today's demanding safety telecommunication applications, from voice calls to data transfer. Designed specifically for situations where there is a possibility of Earth Potential Rise (EPR) or high potential differences between the customer premises and the Public Switched Telephone Network (PSTN).

The **LIU** series also offers highly secure lines for confidential conversations and data transfer. Fibre optic lines cannot be tapped, hi-jacked or tampered with making it the ideal choice for private lines.

fibre optic LIU and high voltage links:

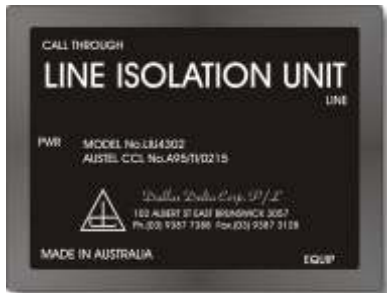
The **Fibre Optic LIU** provides isolation in excess of 20kV using fibre optic cable, the larger the physical separation the greater the isolation. This extremely high voltage isolation makes the unit suitable for; power substations, radio transmission towers, broadcast stations, switching yards, power generating plants and areas prone to lightning strikes. The **Fibre Optic LIU** provides a transparent path between the customer equipment and the PSTN, without noticeably affecting the quality of the connection. These units comply in accordance to the AS/NZS 3835.3 (int) standard (appendix c). (For specifications please refer to the **Fibre Optic LIU** brochure).

Removable **High Voltage Isolating Links** (up to 20kV) are supplied with every Fibre Optic LIU for quick, safe and easy isolation.



LIU series - line isolation units

3kV LIU (LIU-4302):



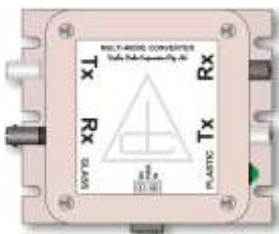
The **3kV LIU model LIU-4302** Line Isolation Unit via a two wire dial through unit designed for use in conjunction with customer premises Equipment which is not capable of meeting ACA stringent demands for line isolation. It provides the appropriate isolation standards and allows connection to the PSTN of otherwise non permitted equipment (subject to the approval by ACA of the combined LI-4302 and termination equipment). The **LIU-4302** is available as a single stand alone unit which comes fully equipped with power cord, telephone cord with a 605 plug attached and an RJ12 modular telephone socket on the equipment side. Rack mount and multiple port configurations are also available on request. (For specifications please refer to the 3kV LIU brochure).

data transformers:

The **15kV/20kV Line Isolating Data Transformers** come in two types, a data/voice modem transformer for low frequency transmission and an ADSL transformer for high frequency transmission. (Basic and Primary rate ISDN transformers are also available upon request). All data transformers are supplied with a pair of removable High Voltage Isolating Links. The data/voice modem transformer has 20kV isolation with an Impedance of 600CT/600CT and a frequency range of 20Hz - 20kHz. It's physical measurements are; 10.5cm(h), 10.3cm(w), 6.4cm(d), 1.75 kg. The ADSL data transformer has a 15kV isolation with an impedance of 135CT/135CT and a frequency range of 4kHz - 200kHz. It's physical measurements are 7.5cm(h), 6.4cm(w), 5.2cm(d), 0.65 kg.

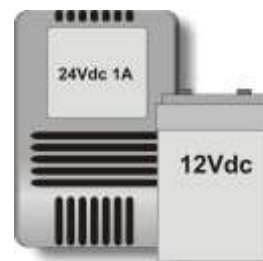


lightpipe:



The **Lightpipe multi-mode converter** is a transmission device used to send and receive data over long distances (2.7km) via optical cable. (Refer to the Lightpipe brochure for further

power supplies:



Power and stability are essential when running Line Isolation Units of any kind. Dallas Delta provide a large range of power supplies to suit all combinations of LIU setups.

enclosures:



Just about any sized enclosure for any combination of LIU setups can be supplied on request. All packages can be custom designed and made to suit your needs.

The information contained on this product brochure is subject to change without notice.



complies with:
ACA All relevant Australian Communications Authority Standards
EN60950 European Safety Standard
AS/NZS3548 EMI Australia/NewZealand Standard
EN55022 EMI European Standard (CISPR22)
AS/NZS 3835.3 (int) standard (appendix c) EPR Australia/NewZealand Standard



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