
DIGITAL LINE ISOLATOR MODEL DI-4906S

PRODUCT DESCRIPTION AND INSTALLATION DETAILS

ACA PERMIT

Design Two Thousand Pty Ltd ACA Supplier's Code N468

DESCRIPTION

The Digital Line Isolator DI-4906S is used for isolating equipment connected to Dedicated Data Service lines (DDS), providing isolation for synchronous data appliances and also eliminating ground loop problems.

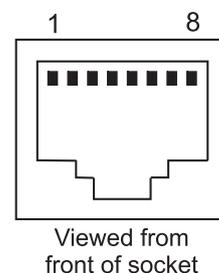
The unit provides one circuit in a small stand-alone enclosure. The input (equipment) and output (line) are provided on RJ45 connectors.

The DI-4906S guards against dangerous voltages being passed from Customer Equipment to the DDS. The DI-4906S also reduces the risk of electric shock to the customer and/or damages to Customer Equipment, should dangerous voltages be accidentally imposed on the DDS line.

The DI-4906 provides greater than 3500 Volts AC and greater than 5000 Volts DC isolation for more than one minute between the Equipment and Line.

CONNECTION

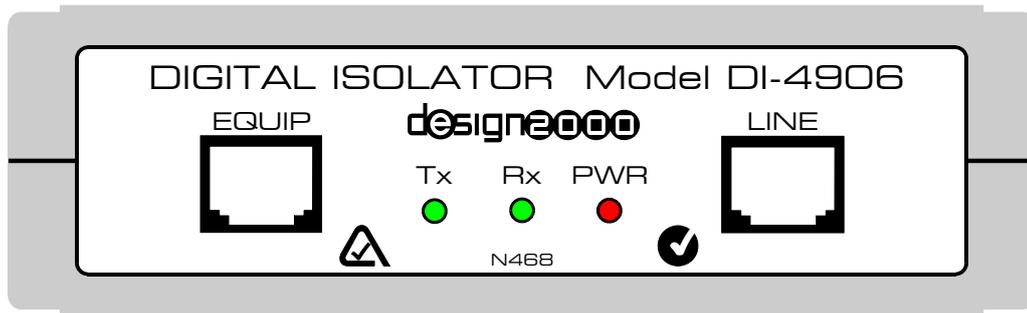
Equip. & Line	Pin 1	Rx Timing
	Pin 2	DCD
	Pin 3	Tx Timing
	Pin 4	Sig. Gnd
	Pin 5	Rx data
	Pin 6	Tx data
	Pin 7	CTS
	Pin 8	RTS



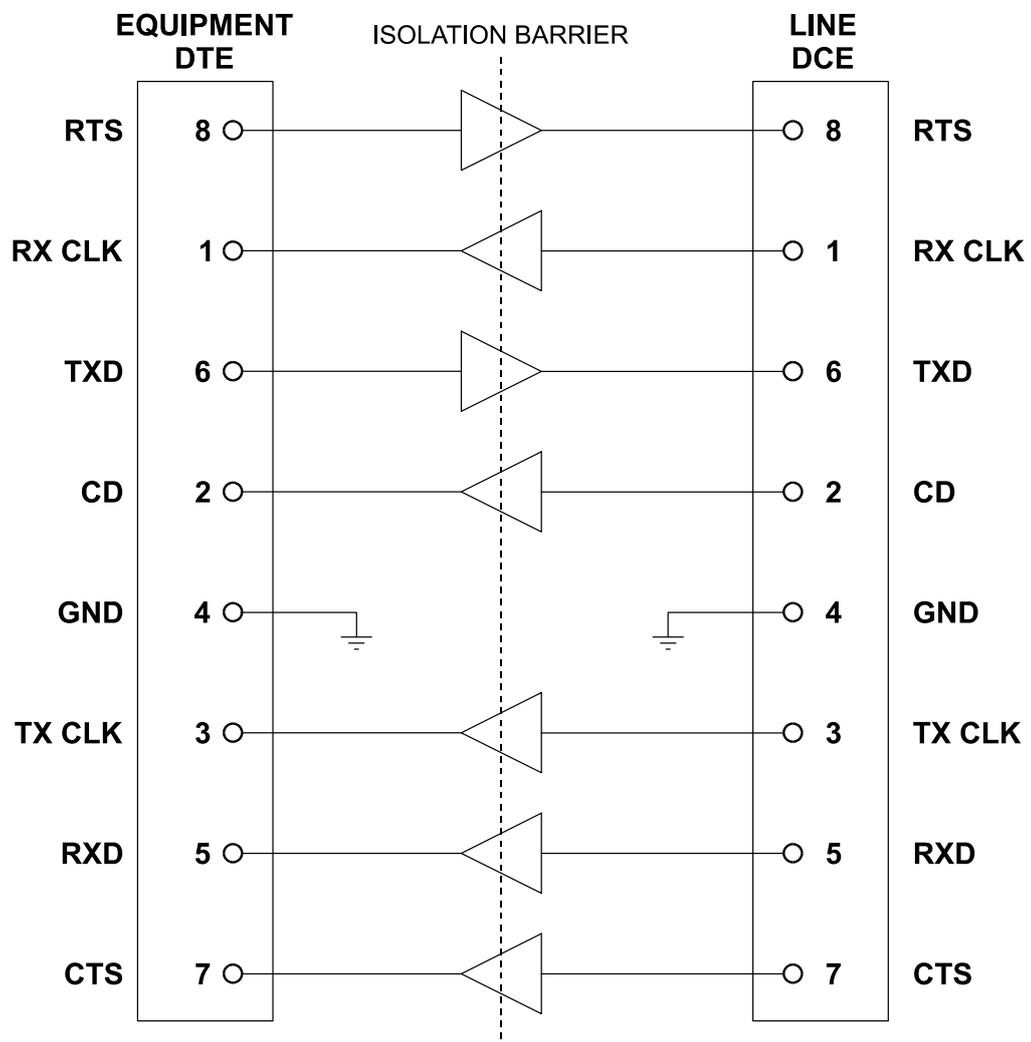
LED Indicators: TXD
RXD
Power

Power requirement: 24 Vdc nominal (20 - 30 Vdc) polarity insensitive, supplied via two-pin pluggable screw terminal at back of the enclosure.

FRONT PANEL DIAGRAM



BLOCK DIAGRAM



SPECIFICATIONS

Input Voltage	20 → 30 Vdc, Polarity Insensitive, -ve Earth
Supply Current	≤ 75 mA
Signaling Protocol Interface	V24 (RS232)
Signal Delay	≈ 3 μs
Rise Time	≈ 1.5 μs
Data Rate	> 30 kbs
Nominal RS232 Signal Level	± 8V
Minimum RS232 Signal Level	± 5V
Dimensions	135mm wide x 185mm deep x 40mm high

PART NUMBERS

DI-4906S Digital Line Isolator, Stand-alone (inc. PC-4935), 24V working
MB-4775/9 Mounting bracket (optional).

Designed and Manufactured in Australia



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