![Judd Telemetry logo]

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TELEMETRY IN CONTROL

VersaNet2 Radio Data Network
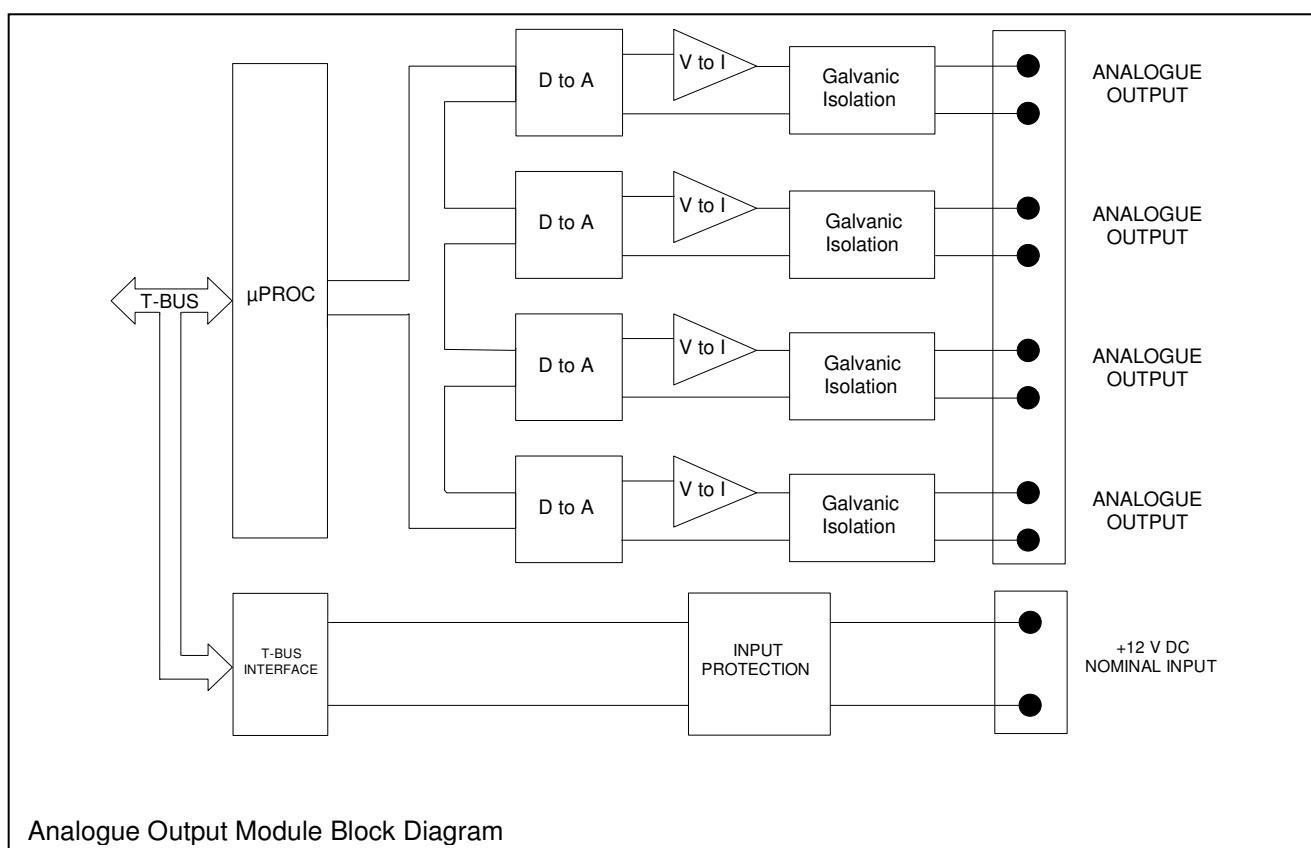## Analogue Output Module
Part No.IRDN308J

Features

- Connects four analogue outputs to an external device
- Output signals in the form of DC currents between 0-20mA

- Up to sixteen modules can be used per VersaNet node
- Isolated outputs provided for maximum flexibility

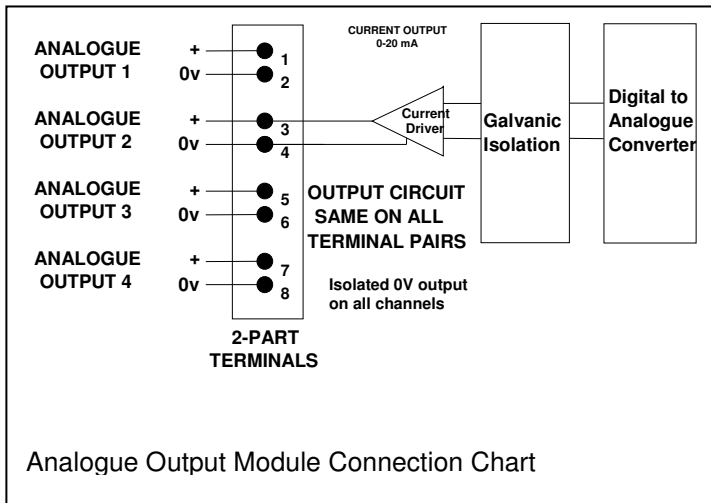Analogue Output Module Block Diagram

Brief Description

The Analogue Output module provides four channels of DC analogue output for connection to external devices. All outputs have galvanic isolation offering 1,000V isolation between output channels and earth. There is also additional transient suppression on each channel to protect against spikes and surges.

The signals are in the form of DC currents between 0-20mA.
A DC voltage output may be obtained by adding external resistors to each channel. Up to sixteen of these modules may be used in a single VersaNet node.

Technical Specification

Module Name	Analogue Output
Part Number	IRDN308
No. of modules per Node	16 maximum
Processor	80C31
Internal Interface	T2-BUS Slave Peripheral
Analogue Outputs	4 x 0-20mA current devices with 1000V isolation to earth
Precision	12 bit
Load Resistance	250 ohms
Output settling time	500mS maximum from receipt of T2-BUS command
Power Supply	11-14V DC via T2-BUS
Current Consumption	Minimum 10 mA
	Typical 50 mA
	Maximum 100 mA
Operating Temperature	-10°C to +55°C
User connection	2 part screw terminals
Dimensions	144 x 167 x 22mm
Weight	0.2kg

Analogue Output Module Connection Chart

DIP Switch Settings

Switch 1 (4-way DIP switch) should be set to a unique address for each module of this type within a node. DIP switch setting should be performed without power connected. Switch positions are shown below.

SW1 Setting				Address
1	**2**	**3**	**4**	
on	on	on	on	1
off	on	on	on	2
on	off	on	on	3
off	off	on	on	4
on	on	off	on	5
off	on	off	on	6
on	off	off	on	7
off	off	off	on	8
on	on	on	off	9
off	on	on	off	10
on	off	on	off	11
off	off	on	off	12
on	on	off	off	13
off	on	off	off	14
on	off	off	off	15
off	off	off	off	16

For exact configuration instructions please refer to the VersaNet2 User Manual (LIT0002) a copy of which is supplied with your VersaNet2 system.

Rack Mounting

A rack mount version of the IRDN308 is available – Part code IRDN308R.
This card is fitted with a DIN 41612 connector to allow direct fitting into a 4U rack and connection to a back plane.