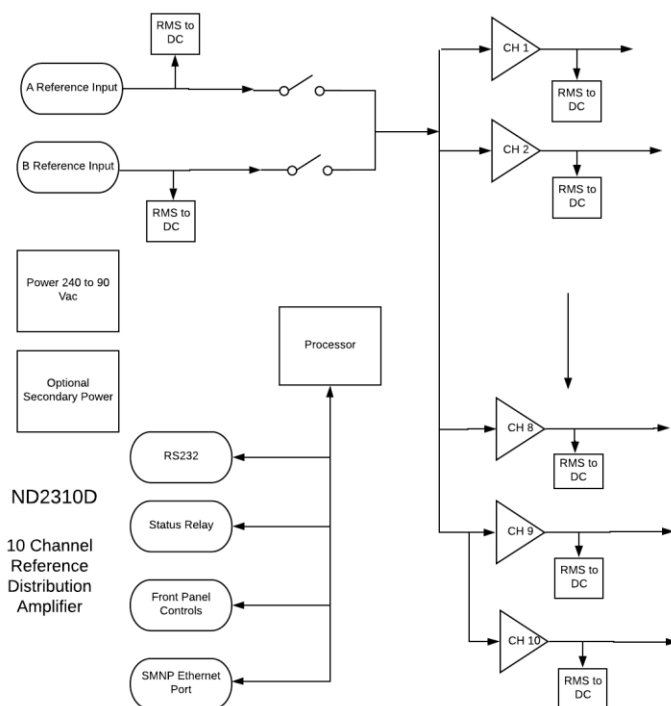


ND2310D-P

10 Channel PPS Distribution Amplifier Networking Capability



Networking

SNMP option

Low Channel Skewing

Channel skewing below 0.2 ns (typically below 100ps)

3.3 or 5 Vdc Logic Levels

Factory configurable to drive 50 Ohm loads

Dual Source

Dual PPS sources inputs and unit selects valid input

All channels are monitored for a fault condition and built in test monitors critical circuits which drives panel indicators as well as alarm relay that can be wired into an alarm panel. Dual source inputs, unit measures input amplitude and pulse width. Sine to square converter provides added versatility.

Technical Specifications

Output	5 or 3.3 Vdc Logic levels , 50 Ohm load capability
Connectors	Available BNC or SMA
Pulse Outputs	
Output load	50 Ohm for 3.3 or 5.5 logic levels (factory configured)
Pulse Frequency	1.0 Hz square wave
Rise and fall times	< 3 ns
Channel skewing	< 1 ns (typical < 200ps), referenced to channel 1
Latency	< 25 ns
Front panel Indicators and Control	
System status display	Channel status, system status - front panel display LCD color
Front panel lights	2 LEDs, FAULT and STATUS (two color - green, red)
5 button selector switches	Round momentary switch assembly, up, down, left, right, enter. Selects active display mode, system status and
Remote interface & control	
Front Panel Serial	USB mini-B Internal USB to serial interface 115200 baud default configuration
Rear Panel Serial	DB-9F, RS-232 serial for system status and device configuration 115200 baud default
Standard Serial Baud Rates	Selectable baud rate 19200, 38400, 57600 or 115200 (default), 8 data bits, 1 stop bit, no parity, no flow control
Network Connectivity	Ethernet: 10/100M RJ-45 Rear panel
SNMP (option)	v1, v2c, v3 Status monitoring, Simple Network Management Protocol MIB file available in linux system interface
SSH	Secure user interface
HTTPS	Admin panel for system configuration
Power	AC, DC or redundant configurations available
AC connector	IEC 320-C14
DC input	Provided as an option
AC power switch	Rear panel On-Off rocker switch

Environmental and Mechanical

Mechanical

Height	1RU 1.73" (43.9mm) EIA 19" rack compatible	
Width	19.0" (482.6 mm)	
Depth	13.0" (330.2 cm)	
Weight	5.5 lbs. (2.5kg)	
Environmental		
Operating temperature	-10 to +65°C	
Storage temperature	-40 to 70°C	
Humidity	0% - 90% RH non-condensing	
Agency Certification	FCC Part 15	
EMC Compliance Emissions/Immunity	CISPR 32 Emissions CISPR 35 Immunity IEC 61000-4-2 ESD IEC 61000-4-3 Radiated IEC 61000-4-4 Transient/burst immunity IEC 61000-4-5 Surge immunity IEC 61000-4-6 Immunity to conducted	
Safety	UL 62368-1	

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