

Analog/Digital Isolator

Provides an isolated analog speaker driver circuit and five (5) isolated TTL/toggle switch compatible relay switch outputs to break ground loops and protect sensitive downstream equipment.



BENEFITS

- Protects downstream equipment against electrostatic discharge events (ESD) and against upstream faults
- Prevents ground loops signal errors that affect signal integrity
- Safely increases connection distance without compromising quality and reliability

PRODUCT FEATURES

- Isolated grounds between input and output
- 19" rack-mountable enclosure
- Lightweight 5052-H32 aluminum alloy enclosure
- Laser etched silkscreened lettering permanently protected with clear coat
- IEC-60320-C14 fused inlet with cord retaining clip to prevent unintentional disconnects
- Redundant power supplies with external LED health indicators
- 85-264 VAC 47-63 Hz wide power input range
- Power supplies conform to conducted and radiated EMI EN55011-B, EN55032-B, CISPR11-B, CISPR22-B, EN61204-3 Class A

SPECIFICATIONS

Electrical Power

- Input: single-phase
- Input voltage range: 85 to 264VAC
- Efficiency: 90% typ

Data Signals

- Isolated analog speaker driver count: 1
- Analog speaker driver frequency response: 20-10 kHz (3dB)
- Isolated TTL or toggle switch controlled relays: 5
- TTL input current: 11 mA
- LED indicators for closed relay: yellow
- Relay: 1 NO contact, 250VAC/125VDC, 3A continuous, AgNi hard gold-plated
- Relay mechanical life: ~20M
- Isolation: 2000 Vrms typical winding to contact

Packaging

- 19" rack mount standard
- Lightweight aluminum 5052-H32
- Replaceable components to reduce downtime
- Convection cooling (no fan)

DB25 Connectors

- DB25 male input connectors
- DB25 female output connectors

Environmental

- Operating temperature range: -20 to 50°C
- Storage temperature range: -20 to 70°C
- Humidity: 5-95%
- Altitude: 3000m
- Cooling: convection

