



Features

- Up to 50 differential A-B channels
- A, B, AB and disconnect modes
- 19" Rack mount Chassis
- Ethernet 10/100 BaseT communications
- Direct I/O Driver called from C, C++
- Industry-Standard IVI C - Driver
- Support for National Instruments® Switch Executive™

Function

The *DigESwitch* Differential is a versatile and low-cost 10/100BaseT Ethernet-controlled switching solution. Housed in a compact 2U 19" rack mount chassis, its full-capacity configuration features 50 independent two-input differential channels with A, B, AB and disconnect modes. Each channel can carry up to 1.0A with 150VDC/100VAC off-state isolation.

DigESwitch Differential can be employed as a standalone Ethernet appliance or as an integrated component of new or existing test systems, giving users a versatile option for switching differential voltages and enabling more complex routing and control of system resources.

Specifications

DigESwitch I/O Connectors (J1-5)

AMP 2-174225-5

Relays

Type	SPST
Static Contact Resistance (maximum initial, typical)	400 mohm

	DC	AC
Max. Switching Voltage	150 VDC	150V Peak
Max. Switching Current	0.5 A	0.5 A Peak
Max. Switching Power	10W	
Max. Carry Current	1 A	1 A Peak
Mech. Life Expectancy	1 x 10 ⁹	
Operating Time – Typical	2.5 mS	
Max number of relays on	500	
Replacement relays	Coto 9001-05-01	

System Operating Environment

Operating Temperature	0-35
Humidity	20% to 80% rel. humidity

DigESwitch Configurations

0004-5201A	10 channels
0004-5201B	20 channels
0004-5201C	30 channels
0004-5201D	40 channels
0004-5201E	50 channels

Power Requirements

Input Voltage	90-264 VAC
Frequency	47-63 Hz
Power	60 W Max.

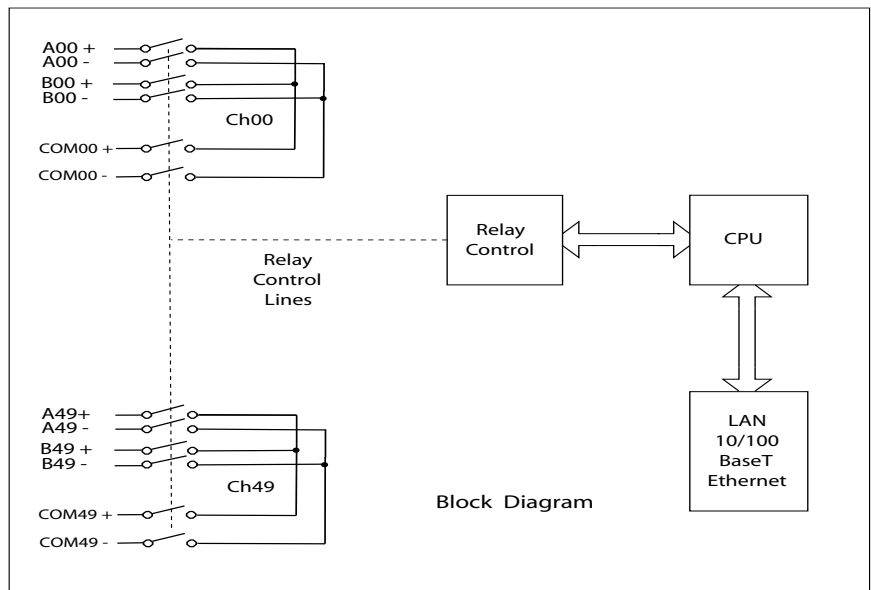
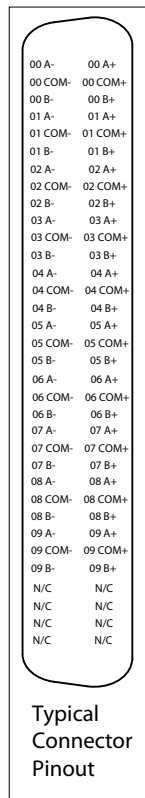
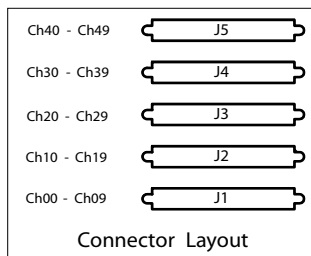
Fuses

N. America	3A/250V, 3AG Slo-Blo, LittleFuse 313003P
Europe	(2) 3.15A/250VAC, .5 x 20mm, Slo-Blo, Littlefuse 2183.15XP

Box Dimensions

19" Rack mount
2U (3.44") high x 18" deep
Weight - Less than 35 Lb. max.

Specifications are subject to change without notice.



Z-2728 DigESwitch (Rev. 020309)