

System 10000

Rack Mount Chassis and Power Supply



Satcom



Features

- Fits all System 10000 modules
- Hot swappable redundant power supplies
- 8 Slots available
- Redundant power supply option
- Universal AC Power 120 / 240 VAC, 50 / 60 Hz

System 10000 Rack Mount Chassis & Power Supply



This chassis accepts a universal AC input power supply and a diode Or'ed DC output. Each chassis supports up to eight plug-in modules and two power supplies. The eight module plug-in slots report the discrete alarm and monitoring outputs from its associated module, the power supply status is reported via a form "C" relay.

The System 10000 is a completely modular hot-swappable insert card-based platform. The 19" rack-mount enclosure Model 10990A, can support up to 8 insert cards, The chassis utilizes the 10901G universal DC power supply in either a single or a dual-redundant, hot-swappable configuration. The System 10000 family's existing wide range of RF, switching and data transport products result in an extremely capable, yet conveniently flexible, signal transport system.

Ordering Information

10990A	Chassis, Rack Mount, 8 Slot, 3RU
10901G-NA	Power Supply, 120 / 240 vac, (North American Power Cord)
10901G-UK	Power Supply, 120 / 240 vac, (UK Power Cord)
10901G-EU	Power Supply, 120 / 240 vac, (European Power Cord)

Mechanical Specifications

Chassis	Min	Typ.	Max	Units
Dimensions	--	19" x 5.25 x 12	--	inches
Weight	--	2.0	--	lbs

Power Supply	Min	Typ.	Max	Units
AC Power	84	--	264	vac
Frequency	50	--	60	Hz
Wattage	--	60	--	Watts
Operating Temperature	-10	--	50	deg C
Weight	--	2.0	--	lbs
Fuse Rating	--	5.0	--	amps
+5 vdc	--	--	6.0	amps
+15 vdc	--	--	2.0	amps
-15 vdc	--	--	0.8	amps

Environmental Characteristics

Parameter	Min	Typ.	Max	Units
Operating Temperature	-10	--	+55	deg C
Storage Temperature	-45	--	+85	deg C
Humidity - Non Condensing	--	95	--	%

Chassis Interface

Backplane Connector	Mating Connector (Supplied)	Mating Connector Pins (Not Supplied)
P11 - P18	5148-025	5231-001
P19	5148-004	5231-001
P20	5148-026	5231-004

P11 - P18 (Unit Interface)

Pin Plug-in	Pin Chassis	Pin Connector	Function
6	1	5	See Plug-in Unit Manual
7	2	4	See Plug-in Unit Manual
8	3	3	See Plug-in Unit Manual
9	4	2	See Plug-in Unit Manual
	5	1	No Connection

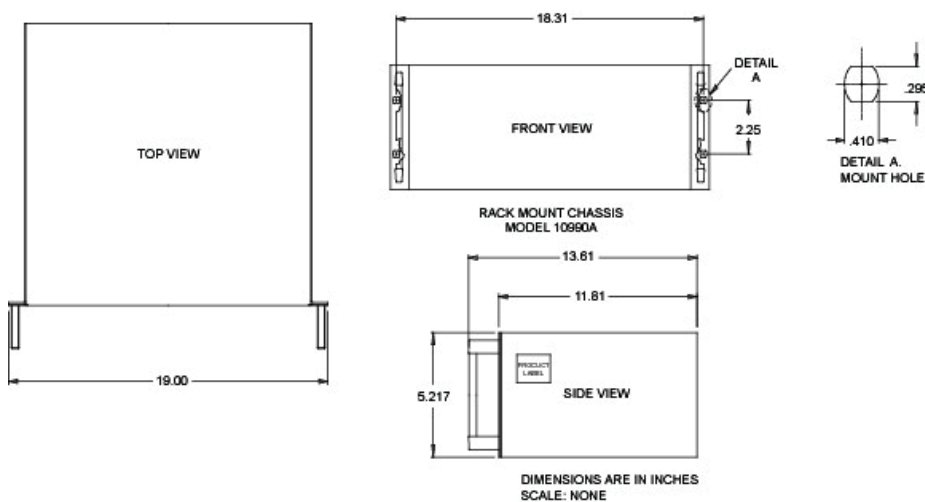
P19 (Chassis Alarm)

Pin Chassis	Pin Connector	Function
1	8	No Connection
2	7	No Connection
3	6	Auxiliary Power Supply Fail (NO)
4	5	Auxiliary Power Supply Fail (Common)
5	4	Auxiliary Power Supply Fail (NC)
6	3	Main Power Supply Fail (Common)
7	2	Main Power Supply Fail (NC)
8	1	Main Power Supply Fail (NO)

P20 (Power Supply Monitor)

Pin	Function
1	+5 vdc
2	+15 vdc
3	-15 vdc
4	Ground

Mechanical Outline



Rev: November 16, 2010