

1204A-MC Digital Signal Distribution With Remote Monitor and Control Interface

- **Input Frequencies DC to 30MHz**
- **Suitable for 1PPS, IRIG DCLS etc.**
- **12 Channel Output Distribution**
- **Low Skew and Propagation Delay**
- **Remote Monitoring of Input/Output Levels**
- **Remote Selection of Active Outputs**
- **Dual Input with Auto Switch Option**
- **Low Cost**
- **Convenient 1U, 19" rack mount package**

Building on the success of the 1204A Digital Distribution amplifier, the 1204A-MC is a flexible distribution platform suitable for various pulse formats enhanced with a full remote monitor and control interface.

With the added monitor and control, a remote user can easily monitor status of each of the inputs/outputs of the unit on either RS232 or Ethernet with Telnet, web browser and SNMP interfaces. Optionally the unit can take two separate inputs into an input switch with either fully automatic or manual control.

For added flexibility, individual outputs can be enabled/disabled via remote control so that unused outputs are isolated from the alarm system.

Input and output status is immediately evident from front panel indicators of each channel. Also auto/manual selection of the auto switched input is available from the front panel key pad.

All outputs are provided on convenient BNC connectors. Outputs provide 5V TTL levels into a 50 ohm load.



Specifications subject to change without notice rev C



Specifications

Electrical

Input Level	10V max	Controls & Indicators	
Input Impedance	50 ohm	Each Channel	Green/Red LED, Healthy/Fault
Input High Level	3.5V to 5V (50 ohm)		
Input Low Level	<0.7V (50 ohm)	Input	Manual/Auto Red LED(manual)
Output High Level	3.5V (minimum)		
Output Low Level	0.5V (maximum)	Keypad	Manual/Auto Channel (A/B)
Output Impedance	50 ohm		
Frequency Range	DC to 30MHz	Ethernet	RJ 45, Front Panel
		RS232	DB9 (Rear panel)
Connectors	BNC	Protocols(Ethernet)	
Alarm Output	Summary alarm indicates failure of any output signal	Telnet	
Non-alarm condition:	Relay energized (fail safe)	SNMP	
		Web Browser	

Connector: 9 pin D-male

Environmental & Physical

Temperature: 0° to 55° C

Relative Humidity: 0 to 95%, non-condensing

Power Requirements

AC Input ($\pm 15\%$) 90 - 264 VAC, <10W

DC Input (optional)

Dimensions (HxWxD): 1U x 19" x 16"

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