



# LP1200A

## LOOP POWER SUPPLY

The LP1200A Loop Power Supply converts low level (RS-232 or MIL-188-114) signals to high voltage current loop signals. The LP1200A is specifically designed to be used with the HAL ST-8000 or other modems with RS-232 or MIL-188 terminal interfaces. The LP1200A will provide either polar (dual current) or neutral (single current) loop interface to drive a teleprinter. The transmit data input from the keyboard will accept either neutral or polar voltages up to +/- 80 VDC at 20 to 60 ma. Jumpers also allow the use of the LP1200A internal loop supply with dry keyboard contacts. Either isolated 4-wire or common return 3-wire teleprinter data connections may be used. The interface cable provided for the ST-8000 HF Modem is for RS-232 connection to the ST-8000 Terminal Data Connector.

The LP1200A includes an internal relay that may be used to switch the printer motor power on and off. The motor relay is controlled by a front panel switch or automatically by the ST-8000 motor control timer circuit. The LP1200A may be wired for operation from 115 or 230 VAC +/- 10%, 50/60 Hz power sources. The LP1200A cabinet is designed for mounting in a standard 19-inch rack cabinet, requiring 3.5 inches of vertical panel space.

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### SPECIFICATIONS

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PNTR Terminals	Internally generated DC current loop, optically isolated from the ground and AC mains. Open Loop Voltage: -60 to +60 VDC (polar); +60 VDC (neutral) Closed Loop Current: +/- 20, 40, or 60 ma (polar); +20, 40, or 60 ma (neutral)
KBD Terminals	Optically isolated loop receiver that senses +/- voltage and current of the keyboard signal. Loop Voltage: -80 to +80 VDC maximum Loop Current: +/- 20 to +/- 60 ma maximum
I/O Interface	RS 232: (-6V = Mark; +6V = Space) MIL-188-114: (+6V = Mark; -6V Space) MOTOR: (Open collector NPN transistor)
Connections	Loop: 6-terminal barrier strip on rear panel DB-25 connector on rear panel 3-lug twist lock, 15A connector
Power	110-125 or 220-240 VAC +/- 10%, 50/60 Hz; 10 watts nominal
Cabinet	Natural aluminum with iridite finish, rack mount panel. Mounts in a standard 19" rack. 3.5" high.
Size	3.5" (8.9 cm) high by 19" (48.2 cm) wide by 8.5" (21.6 cm) deep.
Weight	7 lbs. (3.2 kg) net; 10 lbs. (4.6 kg) shipping



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