For immediate release

American Reliance introduces
a new line of SPS 1200 Watt power supplies

developed in response to customer demand for switch-mode power supplies (SPS's) with master/slave capabilities & IEEE 488.2 (SCPI) Interface

June 29, 2001- American Reliance today officially released its new line of SPS 1200 Watt programmable Switch-mode Power Supplies.In response to growing customer demand for SPS units with master/slave capabilities, AMREL has engineered the SPS 1200 Watt line to enable us to offer the master/slave capability as a standard-option.The new SPS line showcases a newer, sleeker look, increased wattage, and at 16.9" in depth, features the smallest form factor of programmable switching power supplies on the market.

Incorporating all of the benefits of earlier SPS models, the new SPS line has the ability to control up to 31 individual slave units through one master unit.In order to accomplish this, the master unit is assigned one GPIB address, the units are linked via RS485 connections, and each slave is assigned a channel number.Once this has been accomplished, each unit can be individually controlled via the master unit's IEEE 488.2 (SCPI) GPIB bus.This onfiguration offers several benefits over opting for multiple Stand-Alone power supplies, including:a lower overall cost, only one GPIB address, and the ability to manage multiple outputs through one controller, resulting in simplified and flexible programming.

This low profile, high density SPS Switch-mode Power Supply line features precise line/load regulation, very low peak-to-peak ripple-noise, external analog programming capabilities with high isolation voltage, a 10-turn potentiometer for voltage and power control, opto-couplers to isolate digital from analog currents, and 16 bit DAC's and 20 bit ADC's for excellent programming accuracy, and readback resolution.Offering both local and remote operation modes, the SPS series is ideal for both Stand-Alone and system applications.Remote operation is performed via optional GPIB/RS232 interfaces.The SPS also allows for hassle-free electronic calibration through firmware commands- without requiring the removal of the unit from its environment.

AMREL believes that addressing a customer's needs and priorities should be foremost in the development of any new product.AMREL holds that customer input was not only key in their SPS 1200 Watt series development efforts, but was the factor that both initiated and fueled such efforts.AMREL is confident that this new series reflects the needs and priorities if their customers, and is likewise confident that this series will be a successful addition to their current line of high quality and cost effective programmable power products.