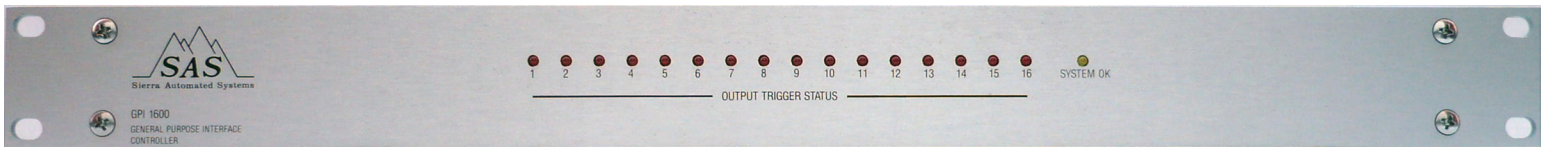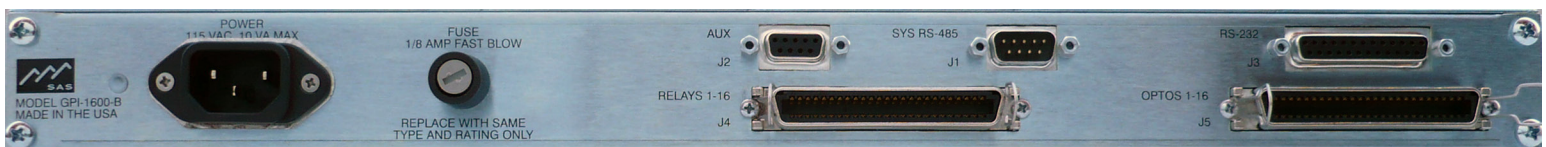# GPI-1600

OVERVIEW

The GPI-1600 is a 1 Rack Unit high Remote Control Interface panel with 16 optically-isolated DC Inputs and 16 relay outputs interfaced to RJ21 50 pin connectors on the back panel. The GPI-1600 can be used for a variety of control functions: machine control, on-air light switching, radio keying and much more. The GPI-1600 interfaces via SAS RS-485 to any DRC remote control module or to any RIOLink chassis remote control port.

OPTO ISOLATED INPUTS

The 16 optically-isolated inputs are polarity sensitive. The input range is 5 volts to 24 volts DC with 1 milliamp minimum and 8 milliamp maximum current requirement. A built in 5 volt DC supply is available if the external equipment you are connecting does not provide the ability to energize the opto-isolator. By tying the built in +5 volt supply to the opto + input connection, a relay from your external equipment can close opto - to ground to energize the opto.

RELAY OUTPUTS

The 16 relay-isolated outputs utilize a low power solid state relay, rated 24 volt AC/DC maximum, 120 milliamp maximum, 35 ohm maximum. Each relay is a Form A normally open contact. Caution must be used not to exceed the voltage and current limits for the relays. Interfacing is via a rear panel RJ21 connector.

SIERRA
AUTOMATED
SYSTEMS