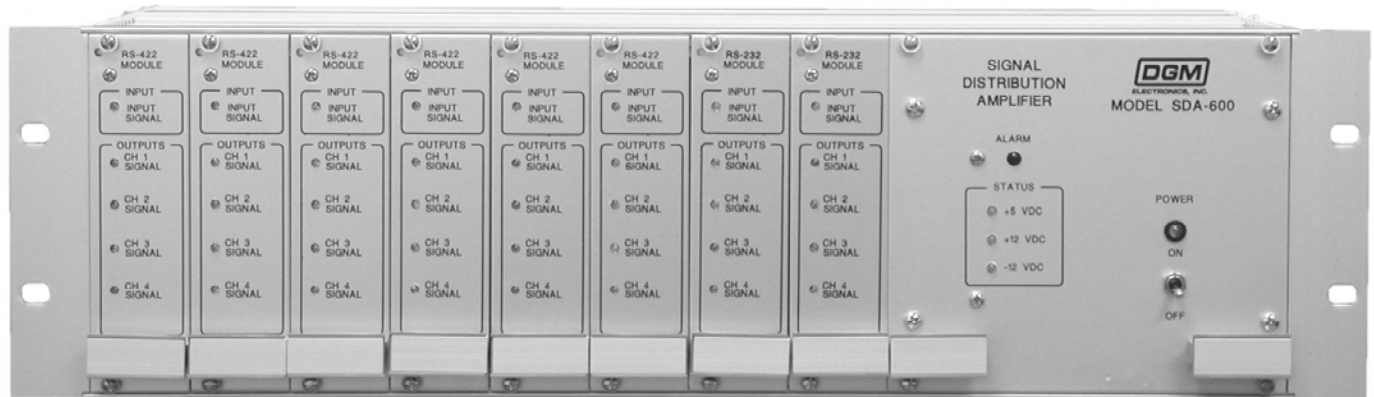


PRODUCT DATA SHEET



The SDA-600 Signal Distribution Amplifier mainframe is capable of housing 8 amplifier modules providing up to 32 outputs. These amplifiers are designed for use in timing systems where it is necessary to distribute timing signals over great distances.

Modules can be combined to provide multiple time code, RS-422, RS-232 and frequency outputs. Each module has one input and provides 4 outputs. Modules of the same type can use the input of one module as the input of the other modules by means of the internal bus. This is convenient for providing many outputs with one input signal.

Each module has input and output indicators showing the signal activity of each channel. These signals can be monitored by the mainframe to control a relay alarm output. This output can be used to indicate the status of the signals to external equipment.

The power supply has a front panel power switch with power indicator. The power supply has built-in voltage sensing with front panel indicators. A front panel alarm indicator alerts the operator to the loss of any of the supply voltages or signals on the modules (when enabled).

The SDA-600 is housed in a rugged aluminum enclosure and is powered by 115 VAC 60 Hz. The SDA-600 has a 1-year warranty on parts and labor.

Technical Specifications

Mainframe (SDA-600)

Description The mainframe contains slots for up to 8 amplifier modules allowing a maximum of 32 outputs. The mainframe includes a reliable power supply with voltage sensing and indicators.

Alarm Output Form C relay contacts
.1A at 24 VDC
DB-9 male

Size 5.25" high x 19" wide x 10" deep
Rugged aluminum enclosure
Natural anodized aluminum

Power 115 VAC +/-10% 60 Hz
25 Watts ,IEC 320 socket and line cord
Rear panel fuse and front panel switch and power indicator.

Weight 7 pounds

Environmental 0 to 50 degrees Celsius
0 to 98% non-condensing

IRIG-B Amplifier Module (SDA/IRIGB)

Input IRIG-B Time Code
.3 to 12 Vpp
600 ohms (transformer isolated)
BNC connector

Output Four IRIG-B outputs
.3 to 12 Vpp, front panel adjustable
600 ohms
BNC connector for each output

Indicators Front panel LED indicators showing presence of input and output signals.

Frequency Amplifier Module (SDA/FREQ)

Input 100 Hz to 10 MHz
.3 to 3 Vpp
Hi Z or 50 ohms
BNC connector

Output Four outputs
.3 to 3 Vpp, front panel adjustable
50 ohms
BNC connector for each output

Indicators Front panel LED indicators showing presence of input and output signals.

RS-422 Module (SDA/RS422)

Input RS-422 , up to 115Kbps
Triax connector (BJ-77)
Transient protected

Output Four RS-422 outputs
Triax connector for each output (BJ-77)
Transient protection on each output.

Indicators Front panel LED indicators showing presence of input and output signals.

RS-232 Module (SDA/RS232)

Input RS-232, up to 19200 baud
BNC connector
Transient protected

Output Four RS-232 outputs
BNC connector for each output
Transient protection on each output.

Indicators Front panel LED indicators showing presence of input and output signals.

Time Code Amplifier Module (SDA/TC)

Input IRIG A, B, D, E, G, H, CS-3, MILA, FDME/BUDX Time Codes
Modulated or DCLS
.3 to 5 Vpp
Hi Z or 50 ohms
BNC connector

Output Four IRIG A, B, D, E, G, H, CS-3, MILA, FDME/BUDX outputs
.3 to 5 Vpp, front panel adjustable
50 ohms
BNC connector for each output

Indicators Front panel LED indicators showing presence of input and output signals.

Specifications subject to change without notice. 011907