

GSC3000

TRANSMITTER REMOTE CONTROL



PRODUCT OVERVIEW

The GSC3000 was designed to meet the requirements of today's broadcast facilities. The modular approach of the GSC3000 allows you to remotely monitor and control a single site with minimal requirements or a large number of sites with extensive requirements. Event-driven and time-based automatic command capabilities allow you to trust your facilities to the GSC3000 twenty-four hours a day, seven days a week. Powerful macros enable the GSC3000 to assess situations and take intelligent corrective action, just as you would if you were present.

You can choose from either an 8-channel unit or a 16-channel unit. The I/O 8 offers 8 channels each of metering, status and command, and each I/O 16 unit provides 16 channels each of metering, status and command. Up to 16 I/O units can be networked together per site, providing you with up to 256 channels each of metering, status and command. A network of connected I/O units is created using a high-speed digital bus (G-Bus) that allows each I/O unit to communicate with the other I/O units at the site. Only one phone line is necessary for complete remote access to all networked I/O units. The I/O unit is a stand-alone device; a dedi-

cated PC is not required for daily operation. Packet protocol is used for secure transactions both locally and remotely.

Lynx software is included with the GSC3000, offering powerful setup and site management capability. A complement to the functions built into the GSC3000, Lynx provides a PC-based interface to all of your remote sites. Detailed data logging and powerful report-writing tools combine to keep users up-to-date on remote site operations. The Custom Views utility allows complete customization of how the remote site data appears on-screen, providing opportunity for facility diagrams, map-based displays, and more. Site and software setup data is easily ported from one computer to the next, making system-wide implementation easy.

FEATURES/BENEFITS

- Automatic functions embedded in unit – no dedicated PC required
- Building-block design enables flexible integration into any site
- Up to 16 I/O units can be networked together at any site

- Up to 256 channels each of metering, status, and command per site.
- Complex, automatic time-of-day functions allowing system-wide diagnosis and correction.
- Automated reporting and registry of alarms, including non-critical alarms.
- Software features TCP/IP client capability for LAN/WAN connectivity. Optional Web Interface for direct LAN/WAN connection.
- Onboard data sent to PC for automatic report printing.
- Programmable data-capture function.
- Three levels of site and application security.
- Lynx software provides easy setup, control and monitoring of all connected sites.
- Configuration is saved in battery-backed memory that retains data if the power is lost.

BURK
TECHNOLOGY



SPECIFICATIONS

DIMENSIONS:

1-3/4"H x 19"W x 10"D
(4.45cm H x 48.3cm W x 25.4cm D)

WEIGHT:

11 lbs. (4.99 kg)

OPERATING TEMPERATURE:

0°C to 50°C

FRONT PANEL CONTROLS:

Front-panel "remote/local" button for suspending the generation of command outputs.

REAR PANEL CONNECTORS:

POWER:

100 to 240 VAC, 50/60Hz, at 15W

COM1, COM2:

DB9; serial communication at 19.2kbps

COMMAND 1-8, 9-16*:

DB37; open collector, 30VDC, 250mA maximum, clamped, momentary or latching, latching duration programmable from 0.1 to 25.5 seconds

METERING*:

DB37; input impedance greater than 100kOhms, unbalanced during measurement; > 10MOhms, unbalanced, quiescent (nonsampling); 0 to 10VDC and -5 to 5VDC nominal; 2.44mVDC resolution (12-bit resolution over 10V range); input limits not to exceed -16VDC or 16VDC; RFI immunity at 70dB at 1MHz, 140dB at 100MHz, 170dB at 500MHz

STATUS*:

DB37; 16 binary (low/high) channels; input impedance > 24kOhms; input voltage range -30 to 30VDC continuous; low-to-high transition at 3.5V with pull-down (CMOS compatible); high-to-low transition at 1.5V with pull-up (TTL compatible); RFI immunity 70dB at 1MHz, 140dB at 100MHz, 170dB at 500MHz

G-BUS 1, G-BUS 2:

RS485; 115.2kbps; 110ohm impedance, category-five twisted-pair cable; 1,000-foot limit for all units networked combined

**Metering/Status and Command channels limited to 8 each on I/O 8 units.*

SYSTEM TYPE:

Embedded microprocessor-based design with battery backed real-time clock

MEMORY TYPE:

CMOS Static RAM / Flash EPROM (non-volatile memory)

LYNX SOFTWARE REQUIREMENTS:

For Lynx software requirements please see the Lynx datasheet or visit www.burk.com/lynx.

APPROVALS:

