GSC3000
System Specifications

I/O 8 & I/O 16

Dimensions:

Width: 19” (48.3 cm)
Depth: 10” (25.4 cm)
Height: 1.75” (4.45 cm)

Weight:

9.1 lbs. (4.3 kg)

Operating Temperature:

0 to 50° C

Power Requirements:

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

Front Panel Controls:

“Remote/Local” button for suspending command outputs

Rear Panel Connections:

COM1:
DB9; serial communication at 19.2kbps

COM2:
DB9; serial communication at 19.2kbps

Command 1–8, Command 9-16*:
DB37; open collector, 30VDC, 250mA maximum, clamped, momentary or latching, momentary duration programmable 0.1-25.5 seconds

Metering*:
DB37; input impedance >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; sampling rate eight times per second per channel; 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; toggle threshold low-to-high with pull-down at 2.5VDC (CMOS compatible), high-to-low with pull-up at 1.5VDC (TTL compatible); RFI immunity 70dB at 1MHz, 140dB at 100MHz, 170dB at 500MHz

G-BUS 1, G-BUS 2:
RS-485; 115.2kbps; 110ohm impedance, CAT5 twisted-pair cable; 1,000-foot limit for all units networked (combined)

VOICE INTERFACE

Dimensions:

Width: 19” (48.3 cm)
Depth: 10” (25.4 cm)
Height: 1.75” (4.45 cm)

Weight:

7 lbs. (3.2kg)

Operating Temperature:

0 to 50° C

Power Requirements:

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

Rear Panel Connections:

COM1:
DB9; serial communication at 19.2kbps

G-BUS 1, G-BUS 2:
RS-485; 115.2kbps; 110ohm impedance, CAT5 twisted-pair cable; 1,000-foot limit for all units networked (combined)

Line, Set/Modem:
RJ-11; two-wire line interface with DC loop supervision

*I/O 8 units have one combined Metering/Status connector and one Command connector.

Audio In, Audio Out:
3.5mm stereo jack; line-level 0.0dBm, 600 ohm active balanced, +10dBm clip point

Interconnection Circuit:

Standard toll-grade telephone circuit or dedicated two or four-wire interconnection with toll-grade performance; FCC Registered; Automatic answering

WIRING INTERFACE

Dimensions:

Width: 19” (48.3 cm)
Depth: 1” (2.5 cm)
Height: 1.75” (4.45 cm)

Weight:

1.2 lbs. (0.55kg)

Rear Panel Connections:

Terminal Block:
Accepts two-pin push-on block style connectors; +/- contacts are provided at terminal block for polarized status/metering inputs

Site Controller:
DB37 female

COMMAND RELAY UNIT

Dimensions:

Width: 19” (48.3 cm)
Depth: 11.25” (28.6 cm)
Height: 1.75” (4.45 cm)

Weight:

6 lbs. (2.72kg)

Power Requirements:

5VDC, 750mA, supplied by GSC3000 I/O unit

Rear Panel Connections:

Terminal Block:
Accepts three-pin push-on block style connectors; NO, NC, C contacts are provided at terminal block for each relay (total of 16 relays), each relay rated at 5A, 125VAC or 3A, 48VDC

Site Controller:
DB37 female

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