

# GSC3000

## System Specifications

### I/O 8 & I/O 16

#### Dimensions:

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

#### Weight:

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9.1 lbs. (4.3 kg)

#### Operating Temperature:

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0 to 50° C

#### Power Requirements:

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

#### Front Panel Controls:

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"Remote/Local" button for suspending command outputs

#### Rear Panel Connections:

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##### 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:

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

#### Weight:

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7 lbs. (3.2kg)

#### Operating Temperature:

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0 to 50° C

#### Power Requirements:

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

#### Rear Panel Connections:

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##### 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:**

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

## WIRING INTERFACE

**Dimensions:**

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**Width:** 19" (48.3 cm)

**Depth:** 1" (2.5 cm)

**Height:** 1.75" (4.45 cm)

**Weight:**

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1.2 lbs. (0.55kg)

**Rear Panel Connections:**

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**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:**

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**Width:** 19" (48.3 cm)

**Depth:** 11.25" (28.6 cm)

**Height:** 1.75" (4.45 cm)

**Weight:**

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6 lbs. (2.72kg)

**Power Requirements:**

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



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