# SiteMAX *Rapid Deployment* Series Gas Detection System for Toxic or Combustible Gases

✳ Monitor four points using wired or wireless technology

✳ Integrated strobe light and optional sounder for maximum attention

✳ Built-in support for GASMAX family of wireless gas monitors

✳ Optional solar power system with array, battery & charge controller

✳ Large LCD display shows values, bar-graph and trend data

✳ Rugged cabling with quick-disconnects for rapid deployment

✳ Optional relay board with 6x SPDT for per-channel contacts

✳ Optional four channel 4-20mA board for current loop output

✳ Operates on either +24VDC or 117/240VAC 50/60Hz

✳ ACK button silences HORN without affecting alarm relays

✳ Touch and magnetic keys for non-intrusive operation in XP areas

✳ NEMA 4x approved for Class 1 Div 2 area without purge

✳ Manufactured in USA

The GDS Corp SiteMAX *Rapid Deployment* Gas Detection System is designed to continuously monitor local conditions for toxic, oxygen depletion or combustible gas hazards. The system is constructed for portability, rapid deployment and ease of use.

**Versatile Protection**
This highly cost-effective, four-channel system based on the C2 *Protector* controller supports any combination of four wired or wireless toxic, oxygen or combustible gas sensors. Quick-connect fittings and interchangeable extension cables enable rapid setup and teardown. The large LCD display and warning LEDs shows engineering units, alarm status, and trend information. An integrated high-visibility strobe and optional audible sounder provide quick notifi
conditions.

**Wireless Toxic / $H_2S$**
Using the GASMAX ECx battery-powered gas monitor, wireless perimeter monitoring for $H_2S$ or any toxic gas is easy. Each GASMAX ECx is completely self-contained and can be placed up to 1/2 mile from the central controller.

**Wired or Wireless Combustible**
For combustible monitoring applications, users have a choice of catalytic bead or infrared sensors. GASMAX IIx wireless combustible monitors with local power can provide combustible monitoring over distances of one-half mile or more.

When using tethered sensors, the SiteMAX wireless radio can act as a wireless MODBUS link to a remote DCS or central control system via a low cost base station. When using wireless gas sensors, the Rig Protector's radio provides the necessary base station functionality.

## GDS Corp
### Gas and Flame Detection

AUTHORIZED DISTRIBUTOR: GasDetectorsUSA.com
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Toxic & Combustible Gas Detection • Controllers • Process Monitors • Calibration Supplies

| _SiteMAX Controller_ SPECIFICATIONS | |
| --- | --- |
| **Power Input** | **Controller:** 12/24VDC (12 Watt MAX) or 100-240 VAC |
| **Display** | Backlit 128x64 pixel LCD shows trend, bargraph and engineering units; flashing alarm LEDs indicate alarm |
| **Analog Input** | Four channel, 4-20mA analog input with dedicated quick-connect |
| **Wireless Input** | Optional 900MHz or 2.4GHz wireless radio modem; license free spread spectrum for maximum range and resistance to interference |
| **Data Logging** | Optional four channel 4-20mA data logger. |
| **Visual Output** | High visibility red strobe (other colors available) |
| **Audible Output** | Optional piezo and horn sounders |
| **Temp** | -25°C to +50°C operating |
| **Enclosure** | Available in non-metallic, painted steel and stainless steel |
| **Dimensions** | Width 8” (203 mm), Height 10” (254 mm), Depth 5.5” (127 mm) |
| **Approvals** | **Controller:** CSA C22.2 No. 1010.1 & 152 for combustibles & ISA S82.02; UL 1604 / C22.2 No 213 (NEMA 4X = Div 2 Groups A, B, C, D; NEMA 7 = Div 1 Groups B, C, D) EN55011 & EN61000 (CE Mark) |
| **Warranty** | 2 years from date of purchase on electronics and one year on sensors. |

| _SiteMAX Sensors & Accessories_ _NOTE: Complete system includes controller, wired sensors and cables or wireless sensors_ | |
| --- | --- |
| **Remote Sensors** | GDS-48 [SM] Wired bridge-type sensors for combustible, carbon dioxide and volatile organics GDS-49 [SM] Wired analog sensor transmitters for oxygen defi GASMAX ECx Wireless battery-powered toxic gas monitors GASMAX IIx Wireless combustible gas monitors (require local DC power) |
| **Cables** | Quick-connect cables with locking cable guard. Available in lengths from 9 ft (3m) to 750 ft (228m) |
| **Sensor Stands** | Convenient stands for mounting wired or wireless sensors approximately 2 ft above ground level |
| **Sunshade** | Optional non-metallic sun shade. Recommended for fi installations. |
| **Cases** | Optional shipping / carrying cases are available for complete solar power systems. Contact factory for more information |

## _SiteMAX Controller_ Order Guide

**SM - A / B - C / D - E / F - G- H**

| | |
| --- | --- |
| **"A"** | 1 = Non-metallic NEMA 4X |
| | 2 = Painted steel NEMA 4X |
| | 3 = Stainless steel NEMA 4X |
| **"B"** | WIRED INPUT |
| | 0 = Wireless (no wired) |
| | 1 = Four analog inputs |
| | 2 = Four bridge-type inputs |
| | 3 = Two analog / two bridge |
| **"C"** | WIRELESS INPUT / OUTPUT |
| | 0 = None |
| | 1 = 900Mhz sensor input (omni) |
| | 2 = 900Mhz sensor input (directional) |
| | 3 = 2.4Ghz sensor input (omni) |
| | 4 = 2.4Ghz sensor input (directional) |
| | 5 = 900Mhz output (omni) |
| | 6 = 900Mhz output (directional) |
| | 7 = 2.4Ghz output (omni) |
| | 8 = 2.4Ghz output (directional) |
| | 9 = RS-485 serial MODBUS |
| **"D"** | VISUAL ALARM |
| | 0 = None |
| | 1 = C1D2 red strobe |
| | 2 = C1D2 yellow strobe |
| | 3 = C1D2 blue strobe |
| | 4 = C1D2 green steady |
| | 5 = non-rated red strobe |
| | 6 = non-rated yellow strobe |
| | 7 = non-rated blue strobe |
| | 8 = non-rated green steady |
| **"E"** | AUDIBLE ALARM |
| | 0 = None |
| | 1 = 100 dB piezo buzzer |
| | 2 = 110 dB horn |
| **"F"** | POWER OPTIONS |
| | 1 = External AC |
| | 2 = External DC (includes cable) |
| | 3 = Rechargeable batteries |
| | 4 = Solar power system |
| **"G"** | DATA LOGGING OPTION |
| | 0 = None |
| | 1 = Four channel data logger |
| **"H"** | MOUNTING OPTIONS |
| | 1 = Wall mount |
| | 2 = Magnetic mount |
| | 3 = Fiberglass tripod with pole |

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