

ProtectorHMI Software

Data Visualization & Historian for GDS Corp Alarm & Display Controllers

- * Monitor up to 160 points of gas detection or other critical variables in real time (10 controllers)
- * Master Display Screen shows channel status & engineering units
- * Up to ten Plot Screens show location of detectors on user-defined background graphic (Single click any channel icon)
- * Trend Screen shows current value, 15 minute and 24 hours trends, alarm values and more (Double click any channel icon)
- * View and print information on alarm settings and status, sensor life and more
- * Use serial-connected RS-485 or ethernet-based MODBUS/TCP interface for any controller
- * Data stored in industry standard "comma-separated variable" text file format for easy analysis
- * Requires Intel-based personal computer running Windows® XP operating system with a minimum of 1024 x 768 pixel display and 512MB of RAM
- * **IMPORTANT:** ProtectorHMI software provides data display and historian functions ONLY! ProtectorHMI is WindowsXP based and cannot be used to control critical alarm events.



Master display screen with 160 point display

GDS Corp ProtectorHMI software provides a complete data display and historian solution for standalone multi-point systems. ProtectorHMI can monitor any combination of ten C1 Protector or C2 Protector controllers simultaneously, displaying up to 160 points on a single display. The status of each point is shown in color and engineering-units value.

Full Time Data Collection

Once configured, ProtectorHMI software periodically interrogates each controller. On one-minute intervals, minimum, maximum and average values for every channel are stored to disk along with alarm events, communications events and user notes. Data is stored in non-proprietary files on the local PC host computer and can be retrieved and viewed by Microsoft® Excel™ or any text editor capable of reading text files.

Full Data Access

ProtectorHMI software allows the operator to quickly view real-time data, alarms, 15-minute and 24-hour trend and historical alarm data by "double-clicking" any channel indicator on the master display screen. Trend information can be printed to a local or remote printer. A master log file maintained by the ProtectorHMI software records start and end times, communications errors and other system events.

Instant Geographic Awareness

Up to ten user-defined graphic images can be pre-loaded into memory, along with detector locations and tag names. A "single-click" on any channel indicator brings up the associated graphic and detectors, along with their values and alarm conditions.

Serial or LAN Connection

ProtectorHMI is designed to read controller data using dedicated serial RS-485 two or four-wire connections or via any standard Ethernet network.

Requirements

While designed for best operation with a screen resolution of 1280 x 1024, the ProtectorHMI software automatically scales images for display on most monitors, including the new wide-screen LCDs.

GDS
Corp

Gas and Flame Detection

2513 Hwy 646

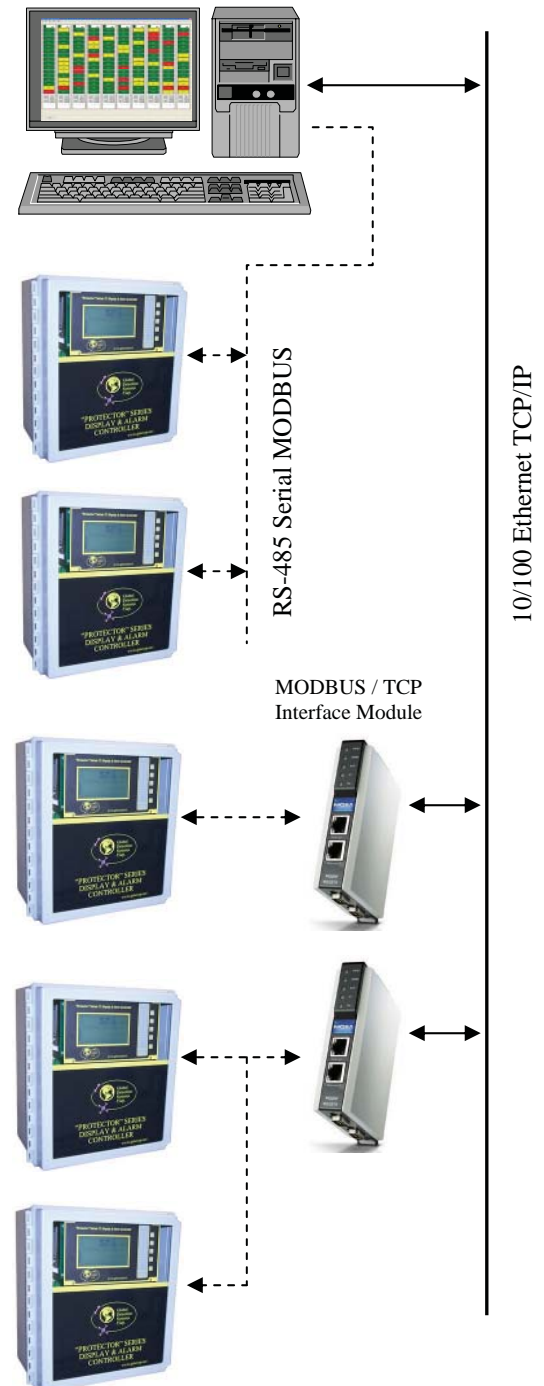
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ProtectorHMI SPECIFICATIONS	
PC System Requirements	Intel or AMD-based personal computer. Dedicated PC recommended. Pentium IV 2.0GHz or higher Windows® XP operating system with Service Pack 2 1024 x 768 pixel display or higher. 1280 x 1024 recommended; works best with wide-screen display 512MB RAM or higher; 1GB recommended Installation: 128MB disk space Data storage: Approximately 1.5MB per sixteen channel controller per day required CDROM drive 10/100 Ethernet interface (optional) RS-485 serial interface (optional)
RS-485 USB Serial Interface	Demonstration-only USB-to-RS-485 serial interface supplied with software package.
Settings	Controller configuration (up to 10) including tag name, network or MODBUS address Controller query rate (typical 1 second) Alarm 2 Color selection Alarm acknowledge option
Master Display Screen	Shows 'controller icons' that represent individual two, four or 16-channel controllers connected to the personal computer via an RS-485 MODBUS® connection or MODBUS / TCP Ethernet. Each controller icon contains channel indicators for each active channel.
Channel Trend Screen	Provides 15 minute and interactive 24 hour trend graphs, channel-specific event and alarm log, sensor life information (if enabled) and other channel-specific data. Double-click channel indicator to view.
Graphics Plot Screen	A user-created background image with an unlimited number of transmitter or sensor indicator icons, with each associated with a specific controller and channel number. 'Single-clicking' any channel indicator on the master display screen will show the associated plot screen and real-time alarm status and value for each sensor or transmitter icon.
Output	CSV (Comma-separated-variable) text files with ten parameters per channel, updated once per minute. Approximately 1.5Mbytes per controller per day storage required.
Support	Three-month phone / email support with updates; email support for 1 year from date of purchase

ProtectorHMI ORDER GUIDE	
HMI-01	ProtectorHMI Visualization and Data Logging software. Single user license. Includes demonstration USB to RS-485 serial interface.
HMI-PC	ProtectorHMI software pre-installed on Dell or equivalent PC
HMI-01 SITE	ProtectorHMI software only site license (up to 50 copies per company or site)



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