PRODUCT BULLETIN

GDA-1600 Graphic Display and Alarm Controller

Bacharach is pleased to announce the release of a new 16-channel controller. The GDA-1600 is designed to provide simultaneous display and alarm functions for up to 16 monitors with 4-20 mA inputs. A graphic LCD displays monitored data as bar graphs, 30 minute / 24 hour data trends and engineering units. Three adjustable alarm levels are provided per channel. Relay outputs allow control of beacons, horns and other alarm events.

The GDA-1600 is equipped with a Fault and three alarm levels per channel with features such as *ON / OFF* delays, latching relays and alarm acknowledgement. A dedicated horn driver circuit for a local audible alarm is also standard. Two standard 5-amp alarm relays are configurable via the "alarm voting" menu to make relays trip based upon various alarm combinations.

Real-Time clock and calendar are also standard. Options such as 4-20mA outputs, discrete relays for each alarm are easily added. RS-485 (Modbus$^®$ RTU) or Ethernet (Modbus$^®$ TCP) ports are also available for sending data to PC's, PLC's, DCS's, or other controllers.

A 128 x 240 pixel graphic LCD readout displays monitored data as bar graphs, 30 minute / 24 hour data trends, and engineering units. System configuration is via user friendly menus and all configuration data is retained in non-volatile memory during power interruptions.

The GDA-1600 also has complete calibration functionality for each input channel. This unique feature allows maintenance and service personnel to use the controller to calibrate the Bacharach GDA-150 simple sensor.

Applications:

- Chiller room monitoring
- Mechanical room monitoring
- Blast Chiller monitoring
- Process area monitoring
- Food and beverage processing
- Research lab monitoring
- Schools and universities
- Convenient stores

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Ordering Information:

All controllers are ordered based on the desired features needed. The features are separate part numbers and can be added to the base controller at any time. When a base controller is ordered with additional accessory features, these features are installed during the time of manufacturing.

Bacharach P/N	GDA-1600 Products and Accessories	List Price (USD)
5700-1600	GDA-1600, Base Controller, w/ display, NEMA 4X Enclosure *	$3995.00
5700-1601	GDA-1600, Base Controller, w/ display19 inch rack / panel mount (with bezel and hardware) *	$6995.00
	Options	
5700-0003	Auxiliary common relay for alarm 1,2 and horn	$195.00
5700-0004	4-20 mA input card, 8 channel	$350.00
5700-0011	Bridge sensor input card, 8 channel	$650.00
5700-0012	Alarm relay output card, 8 channel	$385.00
5700-0005	4-20 mA output card, 8 channel	$450.00
5700-0006	Resistive 4-20 mA input card, 8 channel	$725.00
5700-0008	NEMA 4X expanded enclosure (required for 8 modules or more)	$550.00
5700-0009	Expansion back plane (required for 0010-0178 enclosure)	$150.00
5700-0030	120 Watt Power supply (needed if 24 VDC required exceeds 10 Watts)	$575.00
	Spare Parts	
5700-0025	Fuse, 2 amp (main board)	$11.00
5700-0002	Replacement main PCB	$950.00
5700-0001	Replacement LCD module	$850.00
5700-0010	Replacement front panel plus 0010-0006 LCD	$2,500.00
5700-0016	Replacement front graphic panel	$250.00
5700-0028	Replacement enclosure (standard)	$725.00
5700-0022	6 foot I/O PCB ribbon cable	$115.00
5700-0021	6 inch I/O I2C cable	$12.00

* At least one input card must be purchased along with the base control unit.

Example: NEMA 4X Controller, eight 4-20 inputs, eight relay outputs and a 120 Watt supply. The part numbers that will need to be ordered are: 5700-1600 (base unit), 5700-0004 (4-20 mA input card), 5700-0012(relay output card), and 5700-0030(120W supply).

For more information on the GDA-1600 and Bacharach's line of fixed gas detection products or if you have any questions regarding availability or product specifications, please contact a Customer Service Representative at 1-800-736-4666 or help@MyBacharach.com.

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