

PRODUCT BULLETIN



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GDA-400 Graphic Display and Alarm Controller

Bacharach is pleased to announce the release of a new 4-channel controller. The GDA-400 is designed to provide simultaneous display and alarm functions for four monitors with 4-20 mA inputs. A graphic LCD displays monitored data as bar graphs, 30 minute 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-400 is equipped with a Fault and three alarm levels per channel with features such as *ON / OFF* delays, latching relays and alarm *Acknowledge*. 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 64 pixel graphic LCD readout displays monitored data as bar graphs, 30-minute 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-400 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.

Part Numbers:

Bacharach P/N	GDA-400 Products and Accessories	List Price (USD)
5700-0400	GDA-400, 4 channel Base Controller, w/ display, NEMA 4X Enclosure *	\$1995.00
	<i>NOTE: One input card must be ordered with each controller</i>	
	Options	
5700-0014	4-20 mA input card, 4 channel	\$135.00
5700-0020	Bridge sensor input card, 4 channel	\$325.00
5700-0015	Alarm relay output card (6 additional relays)	\$210.00
5700-0019	4 channel, 4-20 mA output card	\$375.00
5700-0017	RS-232 / RS-485 Modbus RTU output card	\$300.00
5700-0029	50 Watt Power supply (needed if 24 VDC required exceeds 10 Watts)	\$390.00
	Spare Parts	
5700-0025	Fuse, 2 amp (main board)	\$11.00
5700-0013	Main PCB	\$725.00

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

Example: Controller needs to have 4-20 inputs, additional relay outputs and an RS-485 Modbus RTU interface. The part numbers that will need to be ordered are: 5700-0400 (base unit), 5700-0014 (4-20 input card), 5700-0015 (relay output card), and 5700-0017 (Modbus RTU interface board).

For more information on the GDA-400 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.

Sincerely,
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