



P.O. Box 97, Elkwood, Virginia 22718  
www.americanonsite.com 1-800-345-3132

## AMERICAN AUTOMATED CONTROLS

### *Why buy American Automated CONTROLS?*

American Manufacturing Company, Inc. is dedicated to providing state-of-the-art onsite control products and systems with a highly trained technical support staff. American will design and build virtually any onsite wastewater or water system controller that is typically used today. American becomes involved with the entire operation of the system whether potable water, process water, or wastewater. American has on-staff Professional Engineers, designers, soils scientists, and trained sales personnel with state-of-the-art experience in control systems.

American's objective is to provide the most practical, economical, and efficient control devices for fluid handling, keeping many standard application controls in stock, with the ability to manufacture customized application panels in a very timely manner.

- ✓ *Wastewater Pump Panels*
- ✓ *Water System Control Panels*
- ✓ *Flow Equalization Panels*
- ✓ *Drip Dispersal Control Panels*
- ✓ *Accessories including Tank Alarms, Float Switches, etc.*
- ✓ *Panels Available in Both Indoor & Outdoor Enclosures*



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## Standard Control Panels

### ALARMS

The Auto Reset Alarm Panels sound an alarm when water level rises due to a pump failure. The buzzer can be silenced by pushing the silence switch. Once the alarm condition has been corrected and the alarm float turned down, the buzzer will automatically reset to make the system fully operational again.

Item #: A1-B0001P (Model #: A1-A) \*Pictured to the right  
Description: Indoor Alarm (Auto-Reset) w/ 10' float



Item #: A1-B0002R (Model #: A1-AX(21))  
Description: Indoor Alarm (w/ Dry Alarm Contacts) w/ 10' float

Item #: A4-B0510P (Model #: A4-AFL)  
Description: Outdoor Alarm (Auto-Reset w/ flasher), locking hasp w/ 10' float

### SIMPLEX DEMAND CONTROLS

Simplex pump controllers manage each dose based on volume of wastewater as signaled by float switches. Simplex pump controls are equipped with Hand-Off-Auto (HOA) switches which allow the pump to be manually operated. Separate control and pump circuits are provided in order to ensure notification in the event of a high water condition.

Item #: SA1-B1250P (Model #: SA1-AJ)  
Description: Simplex demand control, alarm, 115/230v, indoor, contactor

Item #: SA4-B1528P (Model #: SA4-AFJL)  
Description: Simplex demand control, alarm w/ flasher, 115/230v, outdoor, contactor, locking hasp

Item #: SA4-B1432-1A (Model #: SA4-ALX)  
Description: Simplex "Pluggger" control, alarm, outdoor, locking hasp, diff. float receptacle, conduit hub w/ 10' float

Item #: SAB-B1101P (Model #: SAB121-J)  
Description: Simplex demand control, alarm, breakers, 115/230v, indoor, contactor

Item #: SAB-B1559P (Model #: SAB124-AFJL) \*Pictured to the right  
Description: Simplex demand control, alarm w/ flasher, breakers, 1 phase, 115/230v, outdoor, contactor, locking hasp



Item #: SAB-B1661P (Model #: SAB114-AJLX)  
Description: Simplex demand control, alarm, breakers, 1 phase, 115v, outdoor, contactor, locking hasp, push-to-silence alarm light button on front, NEMA 4X conduit hubs

Item #: SAB-B1686P (Model #: SAB124-ACEFJL)  
Description: Simplex demand control, alarm w/ flasher, breakers, 1 phase, 115/230v, outdoor, counter, ETM, contactor, locking hasp

### DUPLEX DEMAND CONTROLS

Duplex pump controllers manage two pumps and each dose based on the volume of wastewater as signaled by the float switches. Duplex controls are equipped with Hand-Off-Auto (H-O-A) switches which allow the pump to be manually operated. Separate control and pump circuits are provided in order to ensure notification in the event of a high water condition. If one pump fails, the control may be operated as a simplex system by simply placing the demand pump's H-O-A switch in the "Off" position, thus allowing normal simplex operation to continue until repairs can be made.

Item #: DAB-B2221P (Model #: DAB111-J)  
Description: Duplex demand control, alarm, breakers, 1 phase, 115v, indoor, contactors

Item #: DAB-B2240P (Model #: DAB121-J)  
Description: Duplex demand control, alarm, breakers, 1 phase, 115/230v, indoor, counters, contactors

Item #: DAB-B2356P (Model #: DAB111-CJ)  
Description: Duplex demand control, alarm, breakers, 1 phase, 115v, indoor, cycle counters, contactors

Item #: DAB-B2248P (Model #: DAB121-CJ)

Description: Duplex demand control, alarm, breakers, 1 phase, 115/230v, indoor, counters, contactors

Item #: DAB-B2500P (Model #: DAB124-AFJL)

Description: Duplex demand control, alarm w/ flasher, breakers, 1 phase, 115/230v, outdoor, contactors, locking hasp

Item #: DAB-B2431P (Model #: DAB124-ACEFJL) \*Pictured to the right

Description: Duplex demand control, alarm w/ flasher, breakers, 1 phase, 115/230v, outdoor, counters, ETMs, contactors, locking hasp



### **TIMER CONTROLS**

Timer pump control panels are designed to provide flow equalization to any pump dosed system utilizing a repeat cycle timer and float switch inputs. When a float switch indicates to the control panel that there is sufficient water to begin a dosing sequence, the system cycles between a rest time (pump off time) and a run time (pump on time). Hand-Off-Auto (H-O-A) switches are provided to allow the system to be manually operated. The controller is flexible and may be used with two to four float switches. Timer controls can be easily configured to automatically manage peak flow events and demand dose overrides.

### **Simplex**

Item #: SEQ-B4192P (Model #: SEQAB124-AJL)

Description: Simplex timer control, alarm, breakers, 115/230v, outdoor, contactor, locking hasp

Item #: SEQ-B4196P (Model #: SEQAB124-ACEFJL)

Description: Simplex timer control, alarm w/ flasher, breakers, 115/230v, outdoor, counter, ETM, contactor, locking hasp

Item #: SEPR-B4669 (Model #: SEPRAB124-AJLR) \*Pictured to the right

Description: Simplex timer control w/ PLC, alarm, breakers, 1 phase, 115/230v, outdoor, contactor, locking hasp, redundant off, internal counter/ETM/float status in PLC



Item #: SEPR-B4300 (Model #: SEPRAB124-AJLRX(30))

Description: Simplex timer control w/ PLC (30-day logging), alarm, breakers, 1 phase, 115/230v, outdoor, contactor, locking hasp, redundant off, internal counter/ETM/float status in PLC

Item #: SEPT-B4672 (Model #: SEPTAB124-AJLR)

Description: Simplex timer control w/ PLC & Time-Of-Day 24-hr clock, alarm, breakers, 1 phase, 115/230v, outdoor, contactor, locking hasp, redundant off, internal counter/ETM/float status in PLC

### **Duplex**

Item #: DEQ-B4659P (Model #: DEQAB114-ACEJLO)

Description: Duplex timer control, alarm, breakers, 1 phase, 115v, outdoor, counters, ETMs, contactors, locking hasp, override

Item #: DEQ-B4692P (Model #: DEQAB124-ACEJLO)

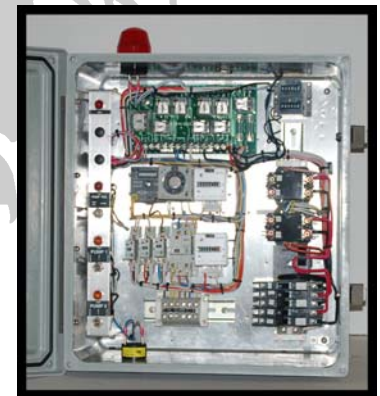
Description: Duplex timer control, alarm, breakers, 1 phase, 115/230v, outdoor, counters, ETMs, contactors, locking hasp, override

Item #: DEQ-B4658P (Model #: DEQAB114-ACEJLOP(C))

Description: Duplex timer control, alarm, breakers, 1 phase, 115v, outdoor, counters, ETMs, contactors, locking hasp, override, pump fail current sensors

Item #: DEQ-B4677P (Model #: DEQAB124-ACEJLOP(C)) \*Pictured to the right

Description: Duplex timer control, alarm, breakers, 1 phase, 115/230v, outdoor, counters, ETMs, contactors, locking hasp, override, pump fail current sensors



Item #: DEPR-B4666 (Model #: DEPRAB124-AJLP(C)R)

Description: Duplex timer control w/ PLC, alarm, breakers, 1 phase, 115/230v, outdoor, contactors, locking hasp, pump fail current sensors, redundant off, internal counters/ETMs/float status in PLC

Item #: DEPR-B4320 (Model #: DEPRAB124-AJLP(C)RX(30))

Description: Duplex timer control w/ PLC (30-day logging), alarm, breakers, 1 phase, 115/230v, outdoor, contactors, locking hasp, pump fail current sensors, redundant off, internal counters/ETMs/float status in PLC

## **COMBINATION CONTROLS**

The prefix "C" in a control item number designates a Combination Control Panel. These controllers operate two separate but integrated pump stations such as the timed dosing of a pretreatment unit and a final lift pump to a dispersal site. Any combination of controls can be provided in either simplex or duplex configurations.

Item #: CSEQ-B4813P (Model #: CSEQ/SAB124-ACEJL) \*Pictured to the right  
Description: Combination Simplex timer to Simplex demand control, alarm, breakers, 1 phase, 115/230v, outdoor, cycle counters, ETMs, contactors, locking hasp

Item #: CSEQ-B4905P (Model #: CSEQ/SEQAB124-ACEJL)  
Description: Combination Simplex timer to Simplex timer control, alarm, breakers, 1 phase, 115/230v, outdoor, counters, ETMs, contactors, locking hasp

Item #: CDEQ-B2980P (Model #: CDEQ/DAB124-ACEJ1L)  
Description: Combination Duplex timer to Duplex demand control, alarm, breakers, 1 phase, 115/230v, outdoor, counters, ETMs, upgraded J1 contactors, locking hasp



## **CUSTOM CONTROL FABRICATION**

Due to our extensive knowledge of water and wastewater systems American Manufacturing Company, Inc. can work with your design team to design a control system to automate any hydro-electrical process. Upon completion of the design you will be provided with AutoCAD drawings, backplate layouts and a complete sequence of operation.

With our two state of the art manufacturing facilities located in Elkwood, VA and Brewster, NY, American Manufacturing can provide specialized production of your custom-designed control system.

The control panels listed in this document are what American Manufacturing considers to be standard, or pre-designed control panels. While we keep a majority of these panels in stock, they are not all necessarily stock items, though if not on the shelf, they generally come with a relatively short lead time. We manufacture many more control panels than what you see listed above, so if you don't see it there, just call and ask.

***Ask about our Controls Engineering Catalog where you can find Design & Specification Information including but not limited to the following:***



**American Onsite  
Engineering**

American Automated Controls  
1-800-345-3132  
www.americanonsite.com  
www.automatedcontrolsystemsinc.com

American Manufacturing Company, Inc.  
P.O. Box 97, Elkwood, VA 22718  
800-345-3132

ACSICO, LLC (Automated Control Systems)  
511 Route 22, Suite 211, Brewster, NY 10509  
845-278-7367

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