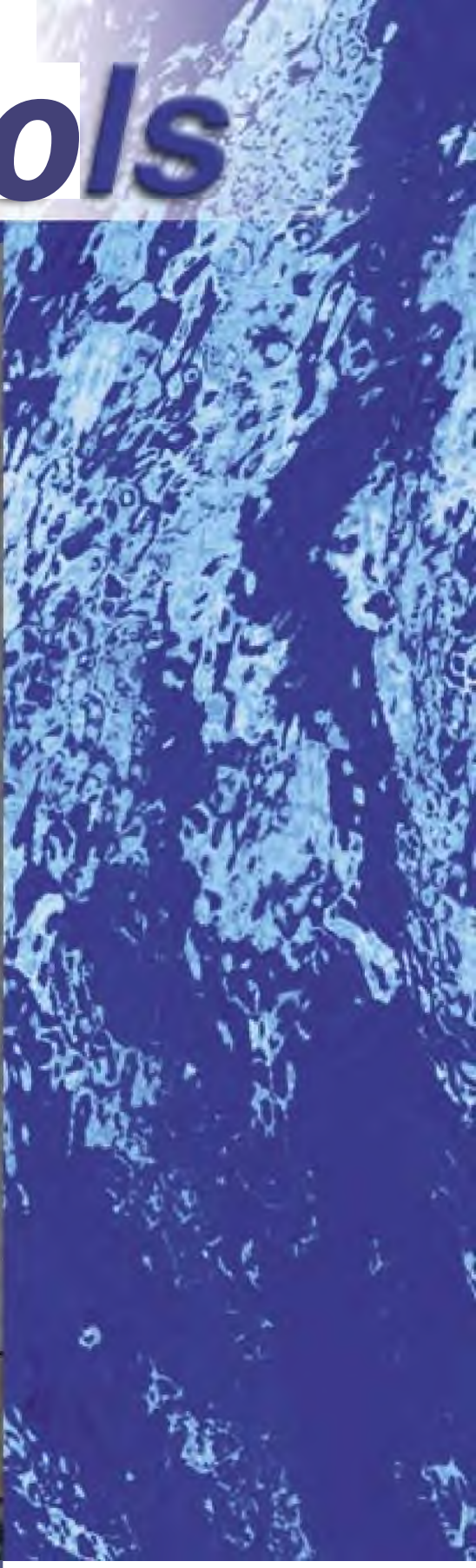


B/W Controls

Continuous and Point Level Controls

1



LE Linden Equipment Co.

1185 Tower Road
Schaumburg, IL 60173
Ph. 847.885.0300 Fax: 847.885.0303
lindenequipment.com

B/W Controls

From its inception in 1933, B/W Controls has been one of the leaders in liquid level measurement. It all started with B/W's original idea to use the electrical conductivity of many liquids to design a float-less level sensor. Since then the idea has earned worldwide recognition as one of the most reliable and versatile systems of its kind. Conductive point level switches have been used in the food, beverage, dairy, pharmaceutical and chemical processing industries; as well as in municipal water works, sewage treatment plants, and numerous other commercial and industrial applications where monitoring of conductive liquids and some moist bulk materials is crucial.

AMETEK has added to the B/W Controls line of products over the years. B/W Controls now offers a variety of float, tilt and gap switches for all types of point level applications. In addition, a patented magnetostrictive sensor, with a unique design was developed for precise continuous liquid level measurement. Magnetostrictive probes have become the primary technology in petroleum storage tanks for industrial, processing and commercial applications. These probes provide a standard analog output and have hazardous approvals for use in underground and above ground storage tanks with a maximum measuring span of 50 feet with 0.1% accuracy.

Point Level Relays

Series 1500 Induction Relay

- Rugged & Reliable Electrical Mechanical Design
- Operate from Conductivity Electrodes, Floats or Pilot Switches
- Ideal for Long Distance or Remote Control Functions
- Field Changeable Contacts Rated at 25 amps
- DC Sensing Version Available
- UL & CSA Approvals



Series 5200 Solid State Relay



- Fail Safe for Pump Up or Pump Down
- Low Energy Sensing Circuit
- Fixed or Variable Sensitivity
- Can be Used with High or Low Resistance Liquids
- 115 & 240 VAC Standard
- Load Contacts are Double Pole, Double Throw
- UL & CSA Approvals

Series 5300 Intrinsically Safe

- Approved by FM and CSA for Classes I, II & III Hazardous Areas
- Permits Intrinsically Safe Operation from Electrodes or from Pilot Switches in Hazardous Areas
- Available with Fixed or Variable Sensitivity Adjustment



Series 5400 Solid State "Plug-In" Relay



- Rugged 8 Pin Octal Base Housing and Socket
- 18 VAC Sensing Voltage
- LED Indicator and Variable Sensitivity Standard
- Available in 24V, 120V, and 240VAC
- Single Pole, Double Throw Contacts
- UL & CUL Approvals

Series 5510 Intrinsically Safe Module

- Pump, Valve or Alarm Indication
- Operates from Electrodes or Pilot Switches
- Low Voltage AC Sensing Circuit
- Single Pole, Double Throw, Fail Safe Load Contacts Rated at 10 amps
- 115V or 230VAC Operations
- IS Rated for Class I, II & III
- UL Listed for Hazardous Locations



Point Level Sensors

Series GS100/200 Ultrasonic Gap Switch



- No Moving Parts to Wear or Maintenance
- Universal Connection Options
- No Calibration
- Magnet-Activated, Solid State Switch Feature, Initiates Loop Confidence Test
- Unaffected by Changes in Dielectric, Conductivity or Density
- Intrinsically Safe Option

- Pressure-Tight Holders of Brass, Cast Iron, Stainless Steel or PVC, up to Seven Electrodes
- Conduit Holder of Cast Iron or PVC, up to Eight Electrodes
- Flanged Cast Iron Holders, up to 13 Electrodes

Series 6012 Electrode Plugs



- A Wide Variety of Plugs and Connectors for Solid Rod and Wire Suspension Electrodes are Available
- Available for use in Corrosive Conditions

- Ideal in Applications Requiring Long Lengths or Limited Headroom
- Small Diameter Electrodes for use in Submersible Pump Installations and other Applications with Minimum Clearance
- Standard Brass or Stainless Steel, other Materials for Highly Corrosive Liquids

Series 8040 Control Panels



- Automatic Alternators
- Multiple Pump Control Systems
- Long Distance Remote Control Systems
- Signal and Alarm Panels
- Multiple Relays in Common Enclosure
- Custom Engineered Systems Available

Series 6012 Cast Electrode Holders



Unifloat

- Patented Latching Reed Switches
- Single Float for up to 12 Sensing Levels
- Ideal in Nonconductive Liquids such as Gasoline, Fuel Oil and Chemicals
- 2" or 3" Pressure-Tight Holder
- Available for Sanitary Applications
- U.L. Recognized

Tilt Switches

- Mercury or Mechanical Switch
- Chemically Resistant Polypropylene Casing and PVC Cord
- Normally Open, Normally Closed, or SPDT Contacts Available

Continuous Level

Series 7260 & 7300 Stik Level Sensors



- Magnetostrictive Technology
- Rigid Styles to 24 Feet Long, Stainless Steel
- Flexible Styles to 50 Feet Long, PVDF
- Various Mounting Styles Including Sanitary Option
- Accuracy - 0.1%

7260

- DeviceNet Output
- UL & CUL

7300

- Selectable 4 to 20mA Output
- CENELEC, CE Intrinsically Safe

B/W Controls

Distributed by:



**1185 Tower Road
Schaumburg, IL 60173
Ph. 847.885.0300 Fax: 847.885.0303
lindenequipment.com**

AMETEK®
AUTOMATION & PROCESS TECHNOLOGIES

1080 North Crooks Road Clawson, MI 48017 USA
800-635-0289 248-435-0700 248-435-8120
www.ametekapt.com www.ametek.com

BWC,B1R2
05/03 • Z153
3M