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Bryant HK02LB008

Bryant HK02LB008 Pressure Switch User Manual

MODEL: HK02LB008



Image: The Bryant HK02LB008 Pressure Switch, showing its metallic body, threaded port for pressure connection, and the electrical terminal housing. This view highlights its compact, industrial design.

PRODUCT OVERVIEW

The Bryant HK02LB008 Pressure Switch is an automatic, 1-way, flush-mount device designed for reliable control in various applications. It features a mechanical, normally open contact, activated by a diaphragm actuator, and supports remote control via the X-10 connectivity protocol.

Key features include:

- **Durable Construction:** Built to last with a robust mechanical switch and diaphragm actuator.
- **Easy Control:** Operates automatically and can be controlled remotely via X-10 protocol.

- **Versatile Mounting:** Flush mount design for seamless integration into various spaces.
- **Sleek Design:** Finished in Silver for a modern, elegant look.
- **Reliable Performance:** Normally open contact ensures consistent operation.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Bryant HK02LB008 Pressure Switch. It is recommended that installation be performed by a qualified professional.

1. **Safety First:** Ensure all power to the system is disconnected before beginning installation. Verify that pressure lines are depressurized.
2. **Mounting:** The switch features a flush mount design. Identify a suitable, stable surface for mounting. Secure the switch using appropriate fasteners through the mounting holes.
3. **Pressure Connection:** Connect the pressure line to the threaded port on the switch. Ensure a tight, leak-free connection. Use thread sealant if necessary, compatible with your system's media.
4. **Electrical Wiring:** Connect the electrical wiring to the switch terminals. This is a 1-way switch with normally open contacts. Refer to your system's wiring diagram for correct connections. Ensure all connections are secure and insulated.
5. **X-10 Protocol Integration:** If utilizing X-10 remote control, ensure the switch is properly integrated into your X-10 network according to X-10 system guidelines.
6. **Verification:** Once installed, carefully restore power and pressure to the system. Check for any leaks or abnormal operation.

Note: The IP00 rating indicates no protection against ingress of solid objects or water. Install in a dry environment, protected from dust and moisture.

OPERATION

The Bryant HK02LB008 Pressure Switch operates automatically based on the pressure applied to its diaphragm actuator. As a normally open (NO) contact type, the switch contacts remain open when the pressure is below the set point and close when the pressure reaches or exceeds the set point.

- **Automatic Activation:** The switch is designed for automatic operation, meaning it will activate (close contacts) when the system pressure reaches its predetermined threshold.
- **Diaphragm Actuator:** The internal diaphragm responds to pressure changes, mechanically actuating the switch contacts.
- **X-10 Remote Control:** If configured with an X-10 system, the switch's state can be monitored or controlled remotely, allowing for integration into smart home or industrial automation setups. Consult your X-10 system documentation for specific programming and control instructions.

The switch is a 1-way circuit type, indicating a simple on/off control based on pressure thresholds.

MAINTENANCE

The Bryant HK02LB008 Pressure Switch is designed for durability and reliable performance with minimal maintenance. However, periodic checks can help ensure its long-term functionality.

- **Visual Inspection:** Regularly inspect the switch for any signs of physical damage, corrosion, or wear. Check the integrity of the pressure connection and electrical wiring.
- **Cleanliness:** Due to its IP00 rating, ensure the switch is kept clean and free from dust, debris, and

moisture. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.

- **Connection Integrity:** Periodically check that all electrical and pressure connections remain tight and secure. Loose connections can lead to intermittent operation or failure.
- **Environmental Conditions:** Ensure the operating environment remains within suitable temperature and humidity ranges, and that the switch is protected from direct exposure to elements.

Note: Do not attempt to disassemble the switch. There are no user-serviceable parts inside.

TROUBLESHOOTING

If you experience issues with your Bryant HK02LB008 Pressure Switch, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|------------------------------------|---|---|
| Switch not activating/deactivating | Incorrect pressure, faulty wiring, damaged diaphragm, power issue. | Verify system pressure is within operating range. Check all electrical connections for security and continuity. Inspect for physical damage. Ensure power supply is stable. |
| Intermittent operation | Loose connections, fluctuating pressure, environmental interference. | Tighten all electrical and pressure connections. Stabilize system pressure. Ensure switch is in a stable, protected environment. |
| X-10 remote control not working | Incorrect X-10 address, network issues, switch not properly integrated. | Verify X-10 address settings. Check X-10 network integrity. Re-integrate the switch into the X-10 system if necessary. |
| Physical damage or leaks | Impact, improper installation, material fatigue. | If physical damage or leaks are present, the switch may need replacement. Do not attempt to repair damaged components. |

If problems persist after attempting these steps, contact a qualified technician or Bryant customer support.

SPECIFICATIONS

| Attribute | Detail |
|---------------------------------|--|
| Is Discontinued By Manufacturer | No |
| Product Dimensions | 8 x 8 x 8 inches; 0.01 ounces |
| Item model number | HK02LB008 |
| Date First Available | May 4, 2018 |
| Manufacturer | Bryant |
| ASIN | B07CVR3BDH |
| Best Sellers Rank | See Top 100 in Industrial & Scientific |

| Attribute | Detail |
|---------------------------------|------------------|
| Operation Mode | automatic |
| Contact Type | Normally Open |
| Connector Type | Screw |
| Brand | Bryant |
| Terminal | Screw |
| Item dimensions L x W x H | 8 x 8 x 8 inches |
| Circuit Type | 1-way |
| Actuator Type | Diaphragm |
| International Protection Rating | IP00 |
| Number of Positions | 1 |

WARRANTY AND SUPPORT

For information regarding the warranty of your Bryant HK02LB008 Pressure Switch, please refer to the documentation provided at the time of purchase or contact Bryant customer support directly. Warranty terms typically cover manufacturing defects and material flaws under normal use.

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact Bryant's official support channels. When contacting support, have your model number (HK02LB008) and purchase details readily available.

You may also find additional support resources on the official Bryant website or through authorized distributors.






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Related Documents - HK02LB008



[Instructions d'installation du thermostat Bryant® Housewise™ T6-WEM01-A](#)

Guide complet pour l'installation du thermostat intelligent Bryant® Housewise™ modèle T6-WEM01-A. Inclut les consignes de sécurité, les étapes d'installation, le dépannage et les spécifications techniques.

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