



DATA CENTERS

SPECIALIZED SENSING & CONTROL SOLUTIONS

*Drive Optimal Data Center Operations with Reliable
High-Performance Sensing and Control Solutions*

DATA CENTERS

SUPERIOR FUNCTIONALITY, LONGEVITY AND RELIABILITY



PROXIMITY SENSORS: SECURING ACCESS AND ENHANCING SAFETY

Security breaches and accidental maintenance errors can compromise sensitive equipment. Magnetic and ferrous proximity sensors are ideal for monitoring cabinet doors, gates, and rack positions. These sensors ensure that power is cut off during maintenance and alert operators to unauthorized access.

Key Advantages of Magnetic Proximity Sensors

- **Passive Components:** Easy installation without complex wiring.
- **Power-Outage Resilience:** Operates even when the system loses power.
- **Environmental Durability:** IP67 rating ensures reliable performance near HVAC systems.
- **High Circuit Isolation:** 1kV isolation for enhanced safety.
- **Long-Term Reliability:** With over 10 million switching cycles the sensors will last longer than the equipment they serve.



LIQUID LEVEL SENSORS: KEEPING COOLING SYSTEMS IN CHECK

With increasing computing demands and rising rack densities, liquid cooling is becoming standard in high-performance datacenters for thermal management. Float-based magnetic sensors offer a cost-effective and reliable solution for monitoring coolant levels in immersion tanks, chillers, and HVAC systems.

Key Advantages of Float-Based Sensors

- **Accurate Detection:** Prevents false triggers
- **Fluid Compatibility:** Works with various coolant types.
- **Flexible Mounting:** Top, bottom, and side mount options.
- **Logic Options:** Normally Open (NO) or Normally Closed (NC) configurations.
- **Direct Switching:** 100W options for line-level control.

DOOR ENTRANCE MONITORING MK36, MK37, MK38 SERIES

- Recessed magnetic sensors
- Normally open and normally closed configurations
- Presses into a bored hole and sits flush with the door and frame



CABINET DOOR + RACK POSITION DETECTION - MAGNET DETECTION MK04 / MK26 SERIES

- Paired magnet option
- Normally open and normally closed configurations
- Install sensor on the frame and magnet on the door
- Simple intrusion detection
- 100W version available for inline switching



COOLANT DISTRIBUTION UNIT LS03 SERIES SIDE MOUNT SENSOR

- Confirms minimal fluid level is present
- Normally open and normally closed options
- M8 and 1/2" NPT thread options
- Length is customizable depending on users requirements



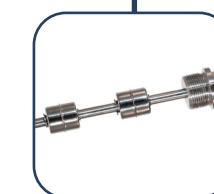
SUBMERSION TANK LEVEL SENSING LS02 / FPS VERTICAL MOUNT SENSOR

- Confirms minimal fluid level is present
- Normally open and normally closed options
- Open or closed-circuit control
- 10 Watt and 100 Watt options
- Length is customizable depending on users requirements



FIRE SUPPRESSION LIQUID LS05 SERIES CONTINUOUS SENSING

- Multiple output options
- Length is customizable depending on users requirements



ACCESS DOOR DETECTION MK02 SERIES STEEL DETECTION

- Normally open and normally closed configurations
- Uses door flange or target bracket as a target
- Passive device, works without power
- Compact, single-piece assembly for quick setup
- IP67 Rated



ENERGY EFFICIENCY WITH REED TECHNOLOGY

Datacenters consume enormous amounts of energy, making efficiency a top priority. Reed switch technology offers a unique advantage for engineers designing low-power systems. By leveraging reed technology in proximity and liquid level sensors, engineers can easily implement sensors for monitoring that meet the performance and sustainability goals within datacenters.

Key Advantages of Reed Technology

- **Zero Power Consumption in Passive State:** Reed switches remain completely passive until activated by a magnetic field, unlike other sensing technology that requires constant power.
- **Noncontact Actuation:** Switching occurs via magnetic control, reducing standby energy draw. Magnetic activation is a noncontact activation reducing the wear of mechanical components.
- **Sustainability Benefits:** Lower energy usage aligns with green datacenter initiatives and reduces operational costs.



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