



## REGAL VAC 2000 Vacuum Monitor



### DESCRIPTION

The REGAL VAC 2000 is a 100% electronic, full-featured vacuum monitoring system utilizing the latest in integrated sensor technology for improved accuracy, reliability, and versatility. The system allows direct contact with many liquids and gases, including chlorine. The system's unique packaging arrangement allows all electronics to be incorporated on a single printed circuit board, keeping costs down without sacrificing reliability or accuracy. The enclosure has a NEMA 4x rating and can be mounted outdoors. Applications include loss of chlorination in water and waste-water treatment and pool pump monitoring.

### FEATURES

- High and low vacuum detection.
- Three digit LED display of vacuum in inches of Hg.
- LED indicators for High, Low and Latch. Additional indicator warns of a pressure condition.
- Independently adjustable high and low trip points.
- Adjustable alarm delay timer.
- Three alarm output relays: Two NO/NC Hi/Lo, and one NO/NC latch output relay.
- Watertight fittings for external wiring.

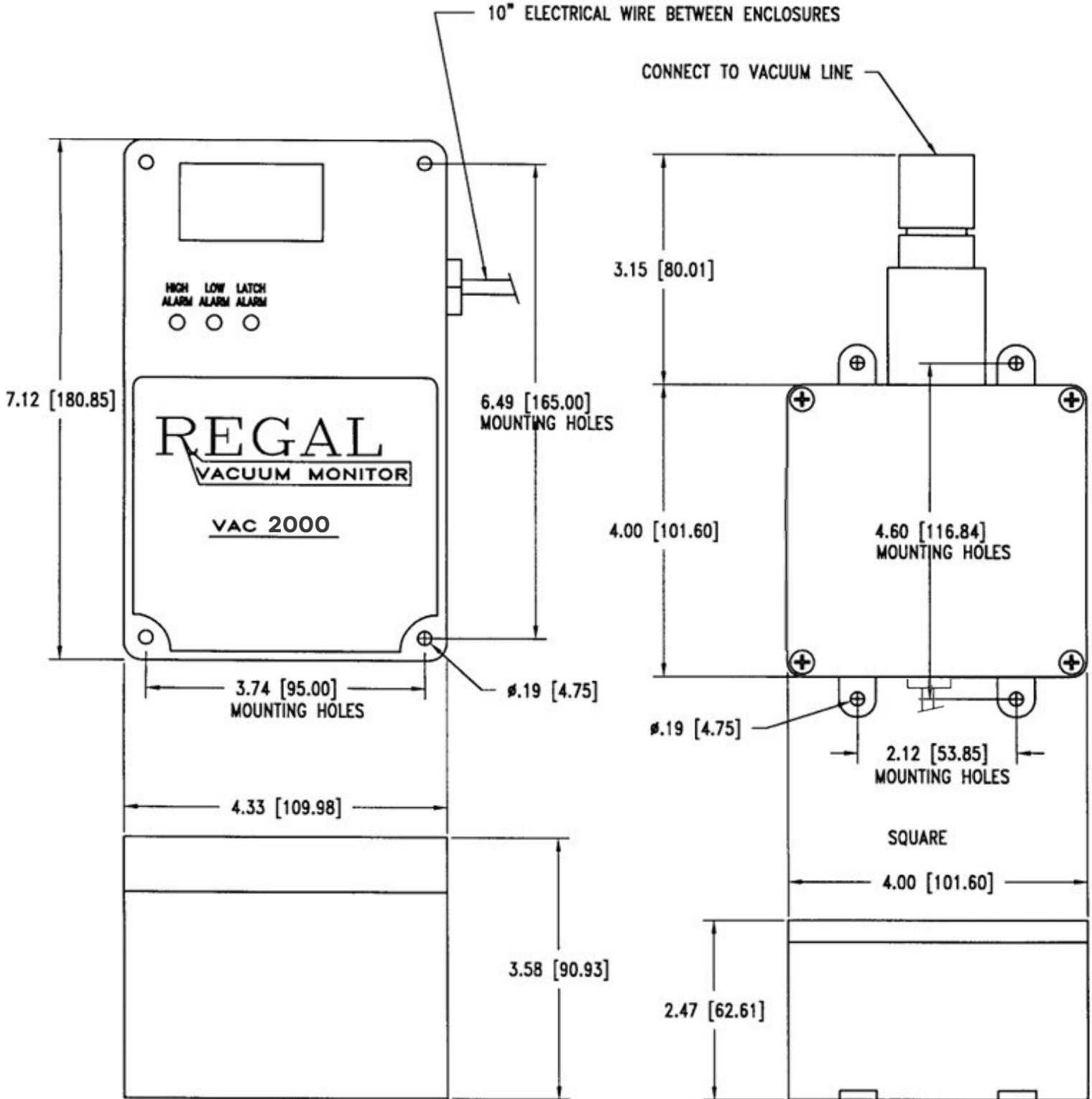
### SPECIFICATIONS

- Input voltage: 115V, 60 Hz@ 0.1 Amp
- Alarm relays: NO/NC type
  - 240V AC @ 5 Amps Resistive
  - 115V AC @ 5 Amps general use
  - 30V DC @ 5 Amps general use
- Gas/fluid compatibility
  - System includes a protection device in a separate enclosure that uses a chemically inert synthetic oil compatible with chlorine, sulfur dioxide and ammonia gas
- Enclosure: NEMA 4x rated
- Vacuum measurement range:
  - 0 to 30 in. Hg.
- Low alarm range: 0 to 15 in. Hg.
- High alarm range: 15 to 30 in. Hg.
- Delay timer: 1 to 100 sec.
- Reset switch: IP 65 protection
- External connectors: IP 68 protection
- Indicators:
  - Vacuum:
    - 3-digit digital LED display
    - 3 LED indicators
    - High, Low and Latch
- Temperature range (system)
  - Storage:
    - -30°C to 70°C (4°F to 158°F)
  - Operating:
    - -20°C to 50°C (14°F to 122°F)
  - Vacuum temperature range:
    - -40°C to 50°C (-6°F to 122°F)
- Humidity:
  - Relative 0 to 90% non-condensing
- Optional alarm light and horn unit
- Analog output:
  - Voltage: 0-3 VDC
  - Current: 0-3 maDC



# REGAL VAC 2000 Vacuum Monitor

## Engineering Data Sheet



**Dimensions = Inches (mm)**