



Agency Approvals:

Model 9358: Type 4, 4X Enclosures (NEMA 4, 4X)

Model 9044: Type 4 Enclosure (NEMA 4)

Product Overview

AccuTrak™ Rotary Position Monitors with Magnum Limit Switches (hermetically sealed proximity type sensor). Five year warranty on switches.

9358 – Engineered Resin Enclosure

9044 – Aluminum Enclosure with powder coat finish

Features and Benefits

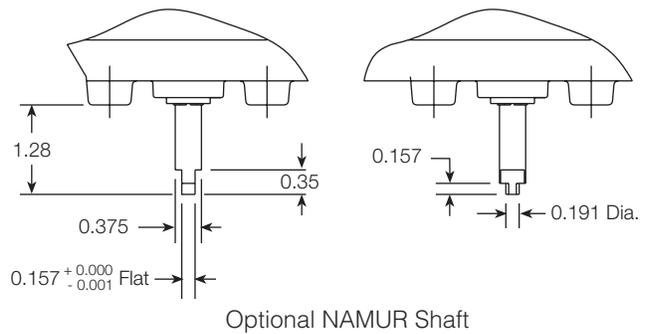
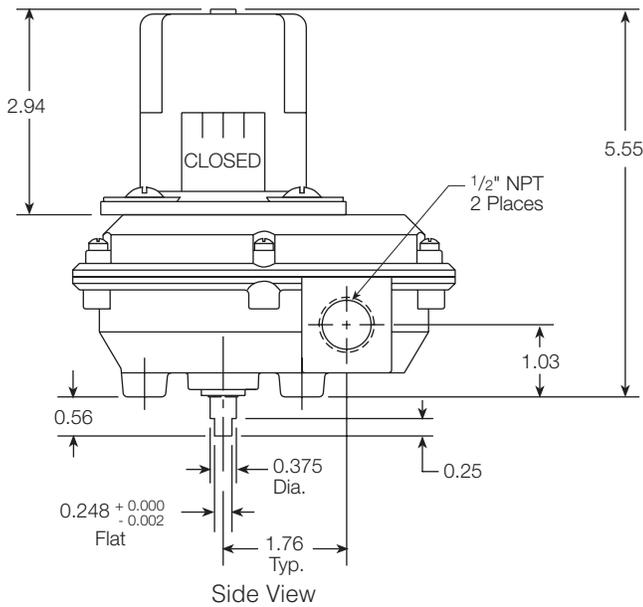
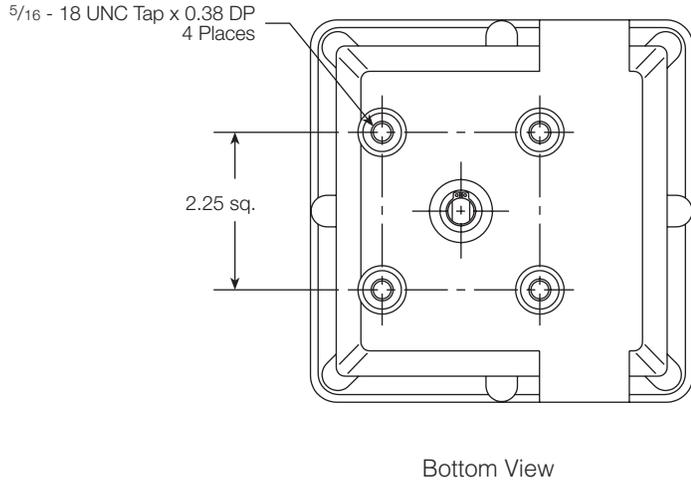
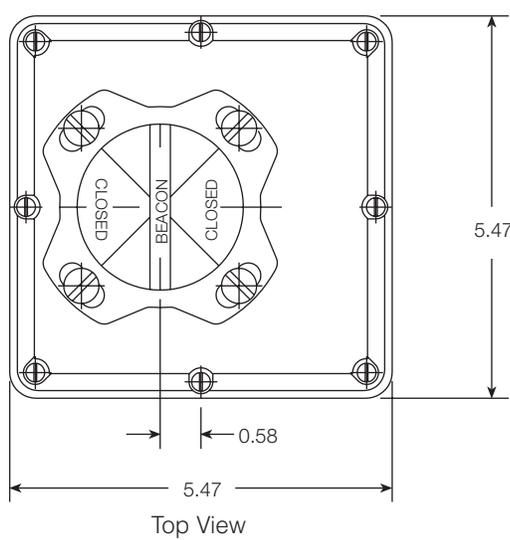
- Magnum limit switches with Rhodium contacts recommended for use with low power I/O's for longer contact life.
- The Westlock Beacon is manufactured from a high impact strength and corrosion resistant co-polyester that offers 360 degree instant visual recognition of valve position from up to 150 feet away.
- Touch set cams are hand adjustable, spring loaded and self-locking providing quick calibration of position sensors.
- Terminal strips are pre-wired and numbered with generous working space for ease of use.
- All units are standard with an additional conduit for easy field wiring and mounting accessories.
- All AccuTrak™ and Quantum products utilize a standardized mounting pattern for easy adaptation to common bracketry.
- Low copper content aluminum enclosures (0.2% maximum copper content) help ensure robust performance in corrosive environments.
- Captive screws on cover prevent lost screws during installation and maintenance.
- NAMUR shaft output compliant to VDI/VDE 3845 available.
- Premium engineered resin helps allow the broadest operating temperature range in the industry, extreme chemical resistance and superior durability.



AccuTrak™ 9358

AccuTrak™ 9044

Dimensions Model 9358



Technical Specifications

Materials of Construction

Enclosure Model 9358: Glass filled nylon resin
 Model 9044: Aluminum with polyester powder coat
 Shaft and hardware: Stainless steel
 Internal threaded inserts (Model 9358 only): Brass
 Beacon visual indicator: Co-polyester

Available Switches

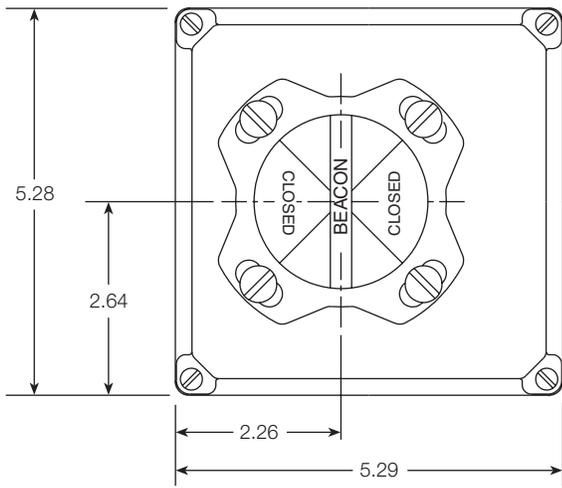
- Magnum, SPDT hermetically sealed switches, with Tungsten contacts
 - Magnum, SPDT hermetically sealed switches, with Rhodium contacts
- For switch electrical ratings see reference section*

Important Application Notes: For very low power sensing applications, Power \leq 240 mW (24 VDC @10 mA for example) Magnum sensors with Rhodium contacts, M12 (SPDT), MUST be used.

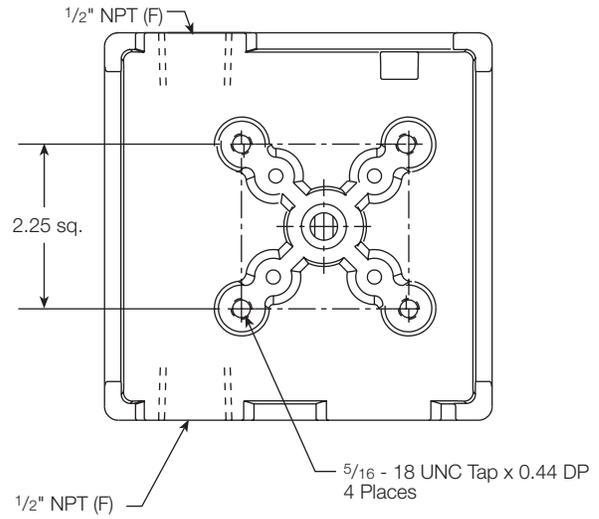
Magnum and Sensors Only PLC input modules utilize capacitors to filter out electrical noise. Newer, more sensitive designs have higher input impedances and lower operating currents and thus require higher values of capacitance for filtration.

If the DI card Capacitance \geq 0.01 μ F a resistor of appropriate size MUST be used in series with the switch contacts to prevent the capacitive discharge from damaging the switch contacts. As an alternative, specify the MagPAC. Please contact your sales representative for resistor sizing, capacitance measurement procedure and other required information.

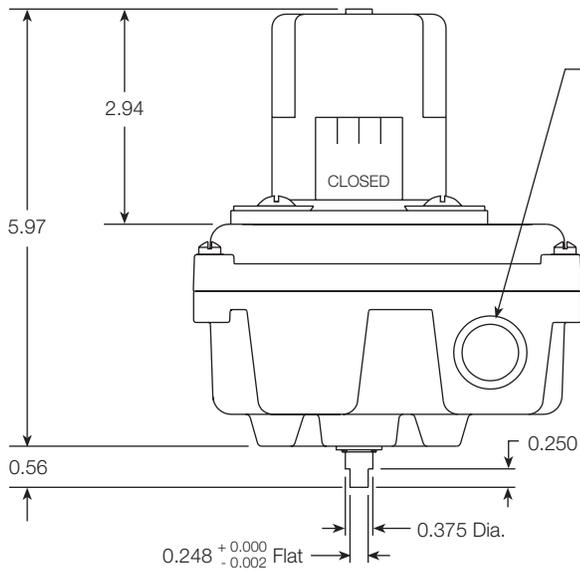
Dimensions Model 9044



Top View

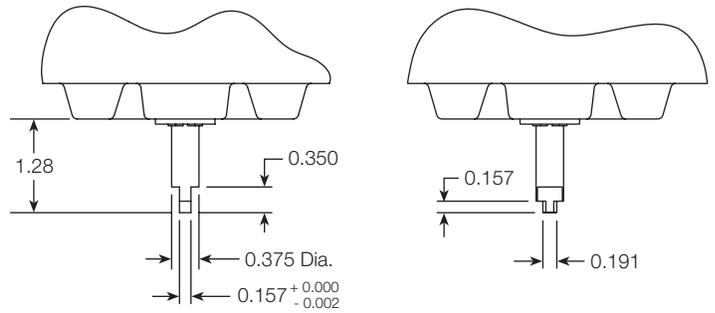


Bottom View



Side View

1/2" NPT (F) 2 Places
 on opposing sides
 (see bottom view)



Optional NAMUR Shaft

Ordering Guide**Base Model**

9358 Engineered Resin Enclosure
 9044 Aluminum Enclosure

Shaft Output

S Standard (Double-D with 1/4" Flats)
 N NAMUR
 D Direct Mount (Modmount system included for Keystone MRP and 79U actuators)

Beacon

BY BM2-Y (Standard)
 RG BM2-RG
 FE BM2-Y-FE (French/English)
 AB BM2-B
 AR BM2-R
 B1 BM3-1
 B3 BM3-3
 B5 BM3-5
 B7 BM3-7
 B9 BM3-9
 FC Flat Cover

Conduit

2A Two 1/2" NPT (F)

Position Switches

2M06 Two SPDT Magnum Switches - 8 pt. TS
 2M12 Two SPDT Magnum Switches with Rhodium Contacts - 8 pt. TS
 2M13 MagPAC Module (Two SPST Bifurcated switches with LEDs/Available w/9044 only)

Analog Position Transmitter

00 Not Available

9044 N BY 2A 2M13 00 = Model Number **9044NBY2A2M1300**

Position switch application note:

For 120 VAC service, M13 (MagPAC) is recommended.

For 24 VDC service below 1 watt, M12 (Rhodium Magnum switches) or M13 (MagPAC) is recommended.

For 24 VDC service above 1 watt, M06 (Tungsten Magnum switches) or M13 (MagPAC) is recommended.

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