

Weatherproof rotary position monitors with the option of high-performance resin or powder-coated aluminum enclosures. Impervious to moisture, chemicals and solvents, they offer a range of switching options.



## Technical Data

### Agency approvals

Enclosure standards (ANSI/NEMA 250)

Models 1040, 9358, 2004, 9044 NEMA 4, 4X

Enclosure standards (IEC)

Model 1145 IP66

### Switches

Models 1040, 1145 V3 mechanical, SPDT

Model 2004 V3 mechanical, SPDT  
DPDT (Form CC) mechanical

Model 9358 Magnum (hermetically sealed proximity type) switches

Model 9044 Magnum (hermetically sealed proximity type) switches  
MagPAC bifurcated switch pack

### Enclosures

Models 1040, 9358 Engineered resin

Models 2004, 9044 Aluminum

Model 1145 ABS resin

## Features

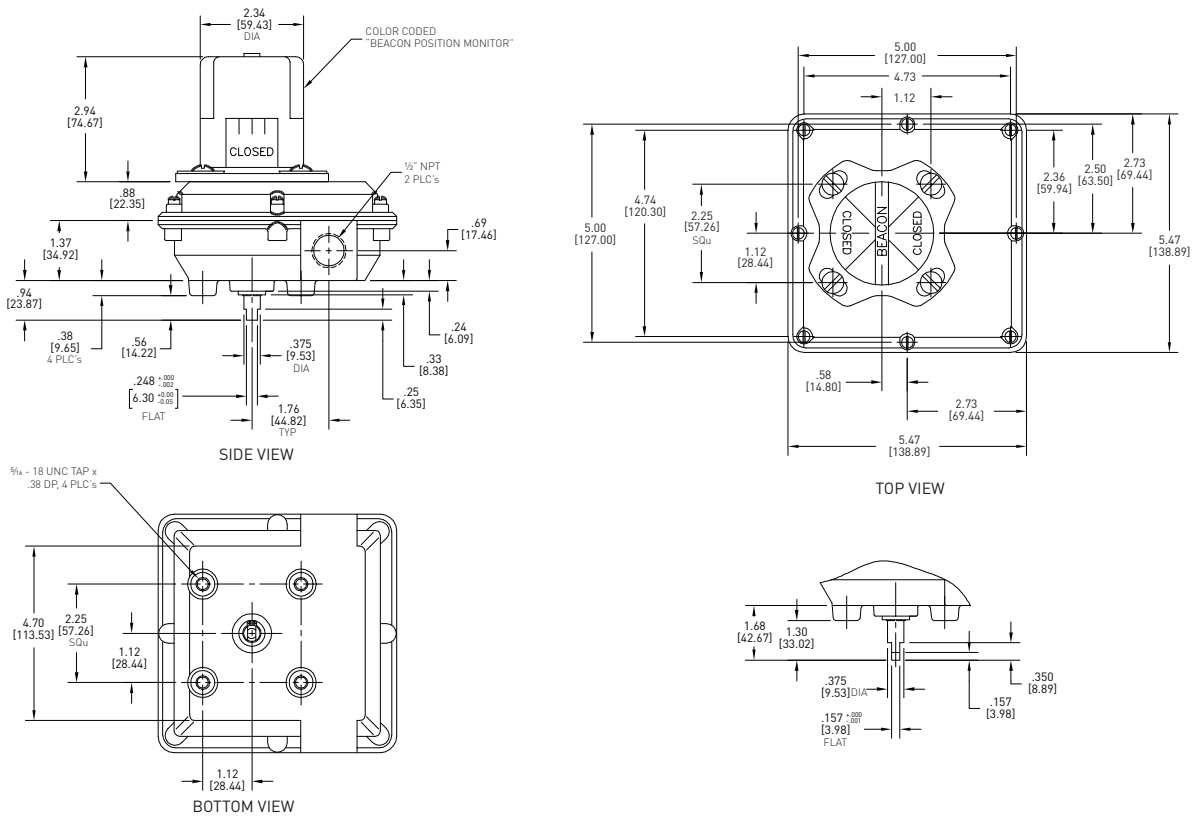
### Models 1040/9358/2004/9044

- Touch set cams are hand adjustable, spring loaded and self-locking providing quick calibration of position switches and sensors.
- Terminal strips are pre-wired and numbered with generous working space for ease of use.
- Strong durable Beacon™ offers 360° visual indication available in a choice of styles and colors.
- Additional conduit for easy field wiring and mounting accessories as standard.
- Standardized mounting pattern for easy adaptation to common bracketry.
- NAMUR shaft output compliant to VDI/VDE 3845 available.
- Analog position transmitter option.
- Engineered resin enclosure is robust yet lightweight; allows broad operating temperatures and provides exceptional chemical, UV and impact resistance.
- Aluminum enclosures with ultra-low copper content (0.2% maximum) ensure robust performance in corrosive environments.

### Model 1145

- Dome shaped visual indicator provides clear feedback.
- Centralization plate allows accurate switch setting, improves repeatability and minimizes hysteresis.
- Quality mechanical switches roller arm; soldered and sheathed wires.
- Quick release terminal strip aids wiring.
- IP66 ABS enclosure provides high strength and corrosion resistance.
- IP rated plugs prevent ingress during site storage and transportation.
- Extra conduit and terminal strip points entrance allows electrical integration of solenoid valves.
- NAMUR VDI/VDE standard mounting arrangement with centralization ring for easy mounting (via an optional bracket) onto NAMUR actuators.

**Models 1040/9358 dimensions**



Dimensions in inches, where available metric dimension (mm) in parentheses.

**Technical specifications**

<b>Materials of construction</b>	
Enclosure	Engineered resin
Shaft and hardware	Stainless steel
Internal threaded inserts	Brass
Bushing	Oil impregnated bronze
Beacon visual indicator:	Co-polyester
<b>Drive shaft</b>	
Standard	Double-D with 1/4" A/F
Option:	NAMUR standard VDI/VDE 3845
<b>Available switches</b>	
Model 1040	V3 mechanical switches, SPDT
Model 9358	Magnum, SPDT hermetically sealed switches with tungsten contacts
	Magnum, SPDT hermetically sealed switches with rhodium contacts

Please consult your sales office for any other requirements

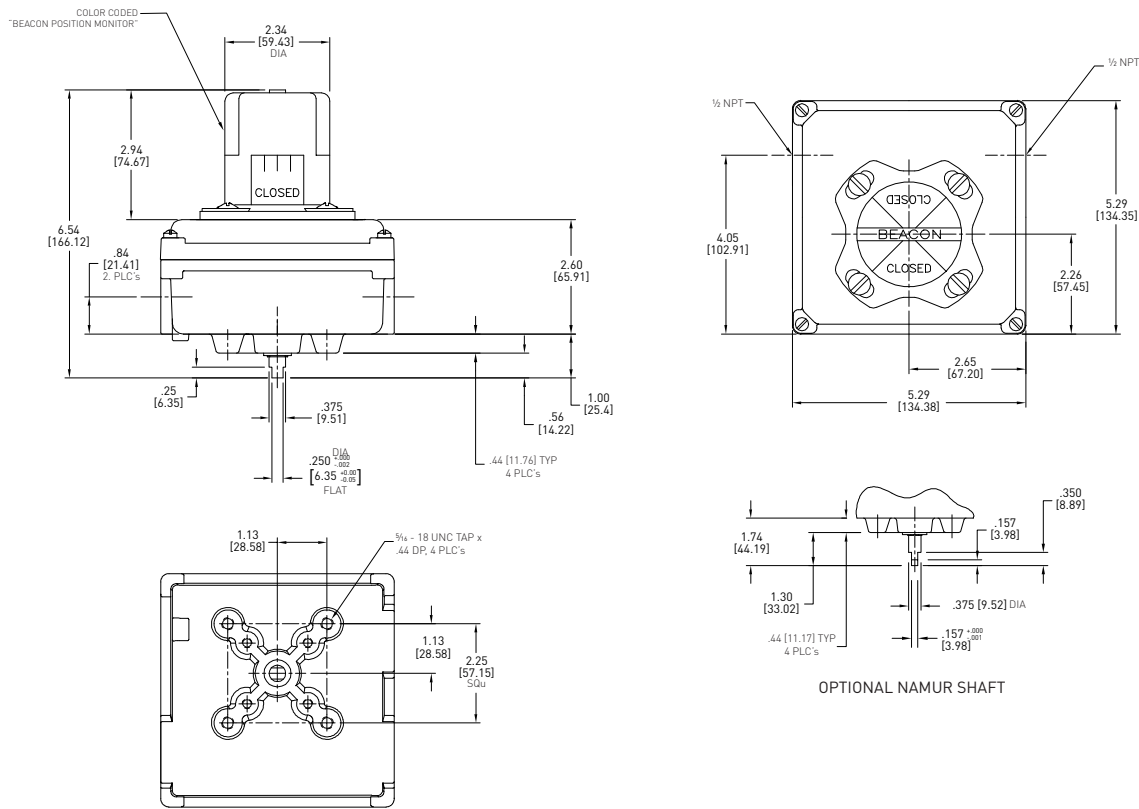
**Notes**

**Conduit entries**  
Accutrak position monitors are available with a choice of conduit entries. Please see the selection guide for standard entries.

**Switches and sensors**  
For further information see our switches and sensors data sheet.



**Models 2004/9044 dimensions**



Dimensions in inches, where available metric dimension (mm) in parentheses.

**Technical specifications**

<b>Materials of construction</b>	
Enclosure	Aluminum with powder coat finish
Shaft and hardware	Stainless steel
Bushings	Oil impregnated bronze
Beacon visual indicator	Co-polyester
<b>Drive shaft</b>	
Standard	Double-D with 1/4" A/F
Option	NAMUR standard VDI/VDE 3845
<b>Available switches</b>	
Model 2004	V3 mechanical switches, SPDT DPDT (Form CC) mechanical switches
Model 9044	Magnum, SPDT hermetically sealed switches with tungsten contacts
	Magnum, SPDT hermetically sealed switches with rhodium contacts
	MagPAC bifurcated switch pack

Please consult your sales office for any other requirements

**Notes**

**Conduit entries**  
Accutrak position monitors are available with a choice of conduit entries. Please see the selection guide for standard entries.

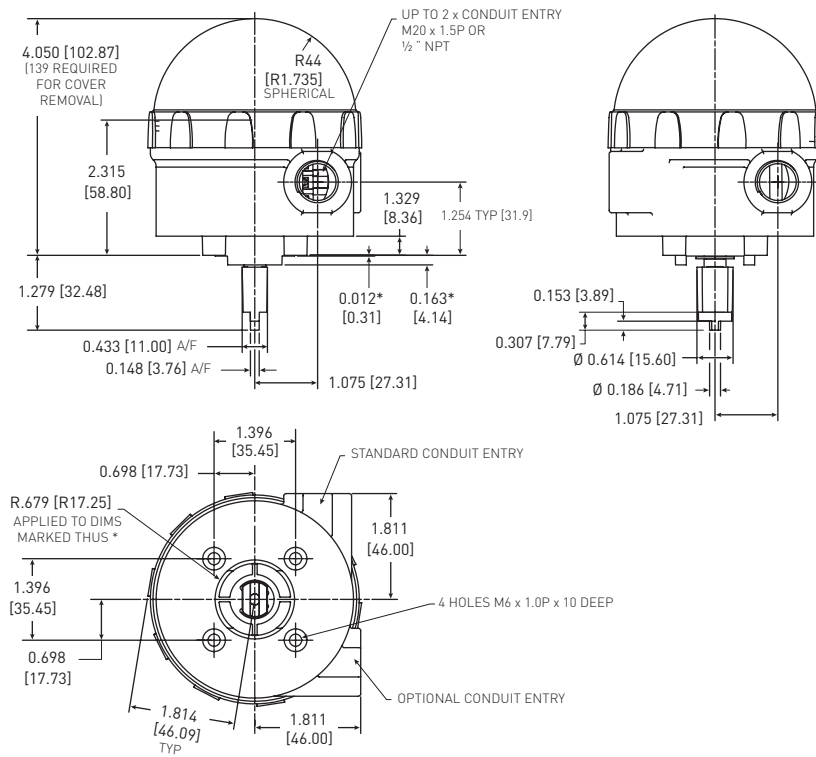
**Switches and sensors**  
For further information see our switches and sensors data sheet.



# AccuTrak™ Rotary Position Monitors

Weatherproof – NEMA and IEC

## Model 1145 dimensions



Dimensions in inches, where available metric dimension (mm) in parentheses.

## Technical specifications

### Materials of construction

Enclosure	ABS Resin
Shaft	ABS Resin
Beacon indication	ABS Resin
Temperature rating	-4°F to 176°F [-20°C to 80°C]

### Drive shaft

Standard	Double-D with 1/4" A/F
Option	NAMUR standard VDI/VDE 3845

### Available switches

	V3 mechanical switches, SPDT
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Please consult your sales office for any other requirements

## Notes

### Switches and sensors

For further information see our switches and sensors data sheet.



# AccuTrak™ Weatherproof Rotary Position Monitors

Models 1040/2004 Selection Guide

## Base model

- 1040 Engineered resin enclosure
- 2004 Aluminum enclosure

## Shaft output

- S Standard (double-D with ¼" Flats)
- N NAMUR

## Beacon

- BY BM2-Y (standard)
- RG BM2-RG (Red Closed/Green Open)
- 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 ½" NPT (F)

## Position switches

- 2M02 Two SPDT mechanical switches - 8 pt. TS
- 2M04 Two DPDT mechanical switches - 16 pt. TS (not available in model 1040)

## Analog position transmitter

- 00 None
- CS 4-20 mA position transmitter (not available in model 1040)  
12 pt. TS w/2M02;  
16 pt. TS w/2M04 and 4M02

2004 N BY 2A 2M02 00 = Model number **2004NBY2A2M0200**

## Notes

### Specifying your position monitor

Specifying a position monitor is a complex process as there are many variables which affect each individual application. To ensure that you receive the best possible combination for your monitoring requirement, please contact your local sales office for advice and guidance from one of our experts.

### Hazardous area classification

Please see our data sheet for further information on the global standards affecting the specification and installation of equipment in hazardous areas.

# AccuTrak™ Weatherproof Rotary Position Monitors

Models 9358/9044 Selection Guide

## Base model

9358 Engineered resin enclosure  
9044 Aluminum enclosure

## Shaft output

S Standard (double-D with ¼" Flats)  
N NAMUR

## Beacon

BY BM2-Y (standard)  
RG BM2-RG (Red Closed/Green Open)  
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 ½" 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**

## Notes

### Specifying your position monitor

Specifying a position monitor is a complex process as there are many variables which affect each individual application. To ensure that you receive the best possible combination for your monitoring requirement, please contact your local sales office for advice and guidance from one of our experts.

### Hazardous area classification

Please see our data sheet for further information on the global standards affecting the specification and installation of equipment in hazardous areas.

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