

Fully integrated and encapsulated rotary valve position monitors that are certified for use in explosive atmospheres.



### Features

- 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.
- Eliminator option for easy integration of external solenoid valve.
- Aluminum enclosures with ultra-low copper content (0.2% maximum) ensure robust performance in corrosive environments.
- Rugged stainless steel enclosures.

### Technical Data

#### Agency approvals

Area classification (NEC 500)

Models 2007/5050/9479	Class I, Division 1, Groups C & D/ T6 Ta = 60°C Class II, Division 1, Groups E, F & G/ T6 Ta = 60°C
Model 9479	Class I, Division 2, Groups A,B,C & D/T4 Ta = 60°C
Model 5050	Class II, Division 2, Groups E, F & G/T6
Model 360/366	Without eliminator conduit option Class I, Division 1, Groups B, C & D Class II, Division 1, Groups E, F & G
	With eliminator conduit option Class I, Division 1, Groups C & D Class II, Division 1, Groups F & G

Enclosure standards (ANSI/NEMA 250)

All enclosures Type 4, 4X

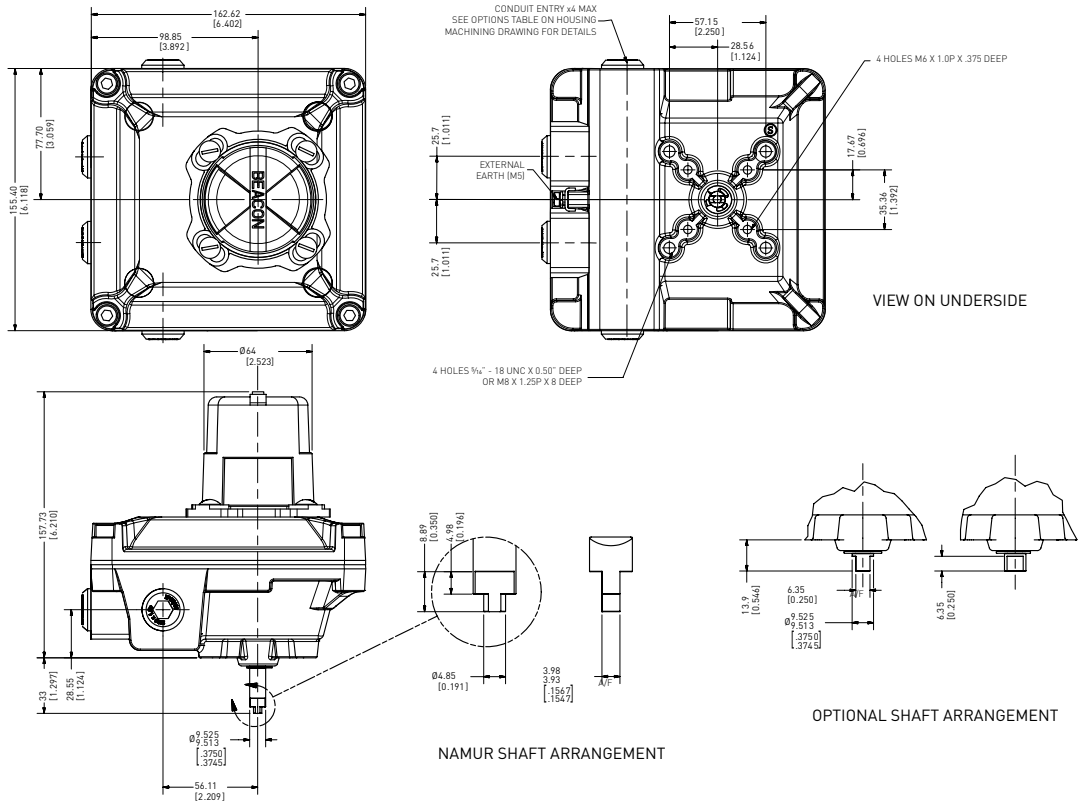
#### Switches

Model 2007	V3 mechanical switches, SPDT DPDT mechanical switches GO® switches
Model 5050	Pepperl + Fuchs model NJ2-V3-N
Model 9479	Magnum (hermetically sealed proximity type) MagPAC bifurcated switch pack
Models 360/366	V3 mechanical switches, SPDT DPDT mechanical switches Magnum (hermetically sealed proximity type)

#### Enclosures

Models 2007/5050/9479/360	Aluminum
Models 2007/9479/366	Stainless steel

**Models 2007/5050/9479 dimensions**



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

**Technical specifications**

**Materials of construction**

Enclosure	Aluminum with powder coat finish
Shaft and hardware	Stainless steel
Bushing	Oil impregnated bronze
Beacon visual indicator	Co-polyester

**Drive shaft**

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

**Available switches**

Model 2007	V3 mechanical switches, SPDT DPDT (form CC) mechanical switches GO® switches
Model 5050	Pepperl + Fuchs model NJ2-V3-N
Model 9479	Magnum (hermetically sealed proximity type) MagPAC bifurcated switch pack

**Options**

Models 2007/9479	Stainless steel enclosure
Models 2007/9479	4-20 mA position transmitter

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**

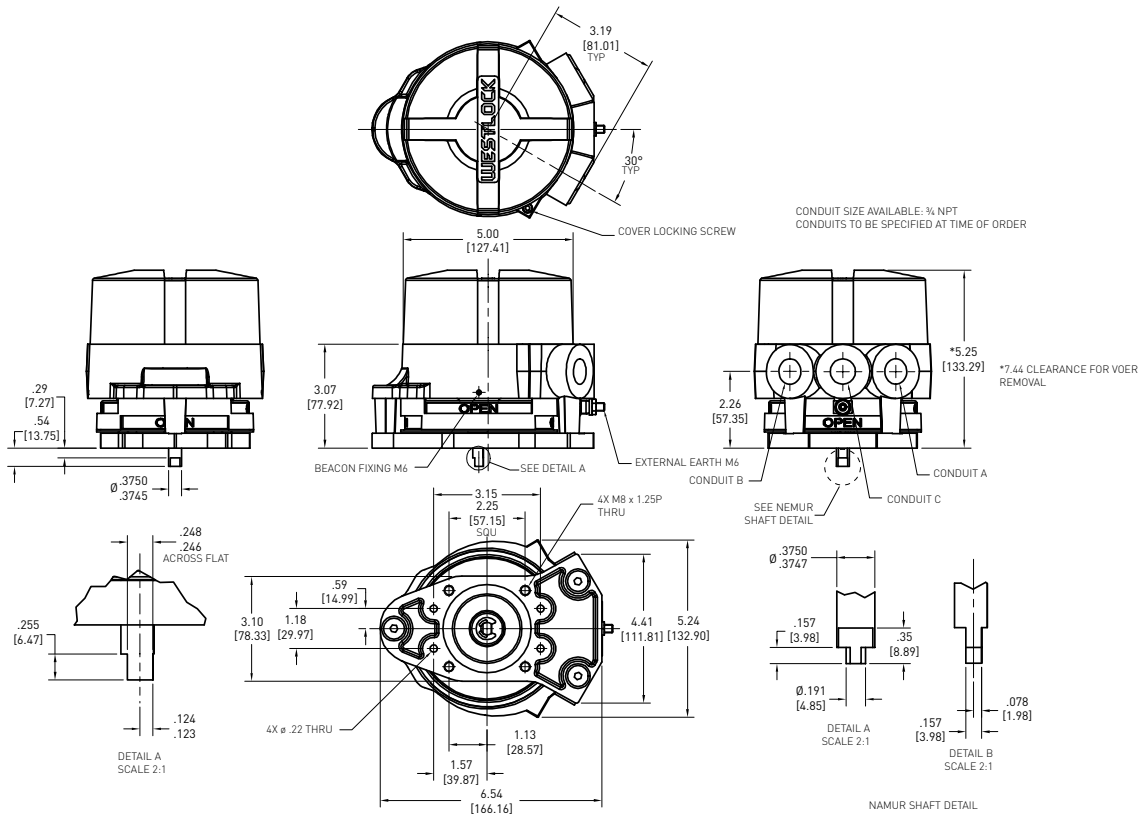
For further information see our switches and sensors data sheet.

**Eliminator fitting**

A specialist eliminator fitting is available for the purpose of mounting an aftermarket solenoid valve.



**Models 360/366 dimensions**



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

**Technical specifications**

**Materials of construction**

Enclosure	
Model 360	Aluminum with powder coat finish
Model 366	Stainless steel with electropolished finish
Shaft and hardware	Stainless steel
Bushing	Oil impregnated bronze
Beacon visual indicator	Co-polyester

**Drive shaft**

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

**Available switches**

	V3 mechanical switches, SPDT DPDT (form CC) mechanical switches Magnum, SPDT hermetically sealed switches, with tungsten contacts Magnum, SPDT hermetically sealed switches, with rhodium contacts
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**Options**

Models 360/366	4-20 mA position transmitter
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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.

**Eliminator fitting**

A specialist eliminator fitting is available for the purpose of mounting an aftermarket solenoid valve.



### Base model

2007 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

- 2B Two ¾" NPT (F)
- 4B Four ¾" NPT (F)
- 2E One ¾" NPT (F) and one ½" NPT (M) eliminator fitting
- 4E Three ¾" NPT (F) and one ½" NPT (M) eliminator fitting
- 4F Two ¾" NPT (F) and two ½" NPT (M) eliminator fittings

#### Position switches

- 2M02 Two SPDT mechanical switches - 8 pt. TS
- 4M02 Four SPDT mechanical switches - 16 pt. TS
- 6M02 Six SPDT mechanical switches - 24 pt. TS
- 2M04 Two DPDT mechanical switches - 16 pt. TS
- 4M04 Four DPDT mechanical switches - 24 pt. TS
- 2M03 Two SPDT GO@ switches - 12 pt. TS
- 4M03 Four SPDT GO@ switches - 16 pt. TS

#### Analog position transmitter

- 00 None
- CS 4-20 mA position transmitter (not available with 4M04, 6M02, 2M03, 4M03 switch options)  
12 pt. TS w/2M02;  
16 pt. TS w/2M04 and 4M02

2007 N BY 2B 2M02 00 = Model number **2007NBY2B2M0200**

For stainless steel enclosure, please add 00124 to the end of your part number built with the selection guide above.

### 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™ Explosionproof Rotary Position Monitors

## Model 5050 Selection Guide

### Base model

5050 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

- 2B Two ¾" NPT (F)
- 4B Four ¾" NPT (F)
- 2E One ¾" NPT (F) and one ½" NPT (M) eliminator fitting
- 4E Three ¾" NPT (F) and one ½" NPT (M) eliminator fitting
- 4F Two ¾" NPT (F) and two ½" NPT (M) eliminator fittings

### Position switches

- 2M08 Two P+F sensors model NJ2-V3-N - 8 pt. TS

### Analog position transmitter

- 00 Not available

5050 N BY 2E 2M08 00 = Model number **5050NBY2E2M0800**

### 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.

<b>Base model</b>	
9479	Aluminum enclosure
<b>Shaft output</b>	
S	Standard (double-D with ¼" Flats)
N	NAMUR
<b>Beacon</b>	
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
<b>Conduit</b>	
2B	Two ¾" NPT (F)
4B	Four ¾" NPT (F)
2E	One ¾" NPT (F) and one ½" NPT (M) eliminator fitting
4E	Three ¾" NPT (F) and one ½" NPT (M) eliminator fitting
4F	Two ¾" NPT (F) and two ½" NPT (M) eliminator fittings
<b>Position switches</b>	
2M06	Two SPDT Magnum switches with tungsten contacts - 8 pt. TS
2M12	Two SPDT Magnum switches with rhodium contacts - 8 pt. TS
2M13	MagPAC module (SPST bifurcated switches with LEDs)
4M06	Four SPDT Magnum switches with tungsten contacts - 16 pt. TS
4M12	Four SPDT Magnum switches with rhodium contacts - 16 pt. TS
6M06	Six SPDT Magnum switches with tungsten contacts - 24 pt. TS
6M12	Six SPDT Magnum switches with rhodium contacts - 24 pt. TS
<b>Analog position transmitter</b>	
00	None
CS	4-20 mA position transmitter (not available w/6M06 and 6M12)
	12 pt. TS w/2M06 and 2M12
	16 pt. TS w/4M06 and 4M12
9479	N BY 2B 2M12 00 = Model number <b>9479NBY2B2M1200</b>

For stainless steel enclosure, please add 00124 to the end of your part number built with the selection guide above.

### 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™ Explosionproof Rotary Position Monitors

## Models 360/366 Selection Guide

### Base model

- 360 Aluminum enclosure
- 366 Stainless steel enclosure

### Shaft output

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

### Beacon

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

### Conduit

- 2B Two ¾" NPT (F)
- 3B Three ¾" NPT (F) (360/366 only)
- 2E One ¾" NPT (F) and one ½" NPT (M) eliminator fitting
- 3E Two ¾" NPT (F) and one ½" NPT (M) eliminator fitting

### Position switches

- 2M02 Two SPDT mechanical switches - 10 pt. TS
- 2M04 Two DPDT mechanical switches - 14 pt. TS
- 2M06 Two SPDT Magnum switches - 10 pt. TS
- 2M12 Two SPDT Magnum switches with rhodium contacts - 10 pt. TS
- 4M02 Four SPDT mechanical switches - 14 pt. TS
- 4M06 Four SPDT Magnum switches - 14 pt. TS
- 4M12 Four SPDT Magnum switches with rhodium contacts - 14 pt. TS

### Analog position transmitter

- 00 None
- CS 4-20 mA position transmitter - 10 pt. TS (only available with 2M02, 2M06, 2M12 switch options)

360 N BY 2B 2M12 00 = Model number **360NBY2B2M1200**

### 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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