ACCUTRAK™ ROTARY POSITION MONITORS

FLAMEPROOF - ATEX/IEC

Rotary position monitors certified to Exd Flameproof and specifically engineered for hazardous environments. Available with a range of position sensors and switches

FEATURES

- Flameproof design meeting a wide range of worldwide approvals.
- Touch set cams are hand adjustable, spring loaded and self-locking providing quick calibration of position switches and sensors.
- Strong durable Beacon™ offers 360º visual indication in a choice of styles and colors.
- Terminal strips are pre-wired and numbered with generous working space for ease of use.
- Additional conduit for easy field wiring and mounting accessories as standard.
- Wide range of switches and sensors.
- Position transmitter option.
- Switch stabilisation plate.
- Standardized mounting pattern for easy adaptation to common bracketry.
- Range of drive shaft options.
- Aluminum enclosures with ultra-low copper content (0.2% maximum) ensure robust performance in corrosive environments.
- Rugged stainless steel enclosures.
- IP rated plugs certified where applicable.

TECHNICAL DATA

Agency approvals

Area classification (ATEX/IEC)	
2200 series	Ex II 2 GD
	Ex db IIB+H2 T* Gb
2600 series	Ex II 2 GD
	Ex db IIC T* Gb
	Ex tb IIIC T*°C Db
Enclosure standards (IEC)	
All enclosures	IP66/67

Switches

All models	V3 SPDT mechanical switches
	DPDT mechanical switches
	V3 inductive proximity sensors
	Magnum SPDT (hermetically sealed proximity type) switches

Enclosures

All models	Aluminum
	Stainless steel CF8M (316)

GENERAL APPLICATION

AccuTrak position monitors are ideal for manual and automated rotary valves. They provide consistent and accurate valve monitoring in a compact unit which can be mounted directly or via a valve actuator.

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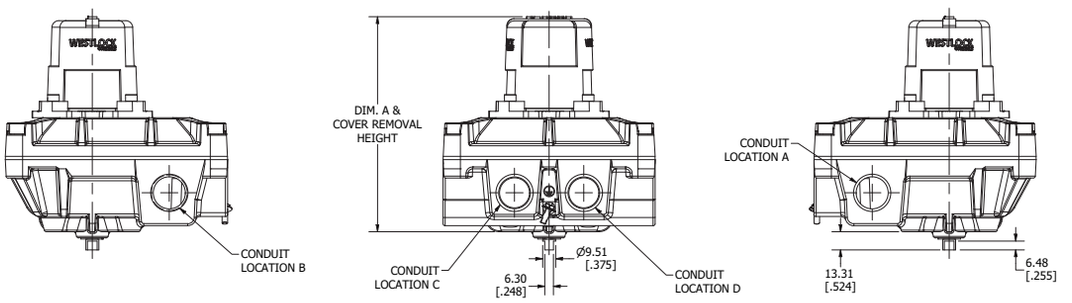
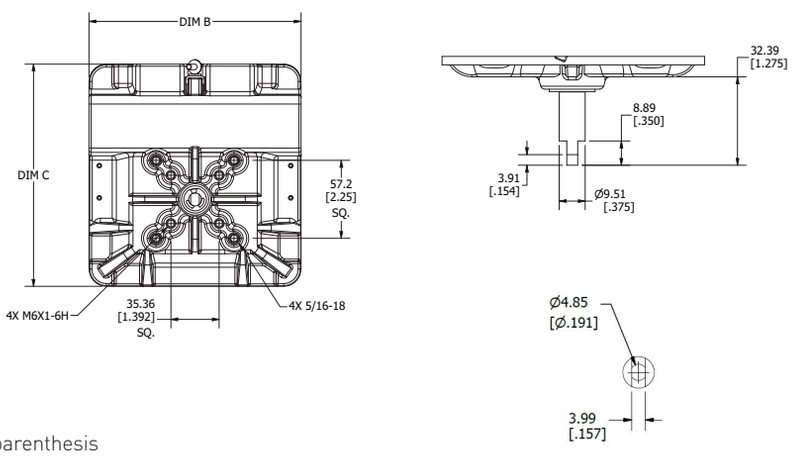
2200 SERIES ENCLOSURE DIMENSIONS



HOUSING DIMENSIONS		
COVER TYPE	**DIM. A**	**COVER REMOVAL HEIGHT**
HI COVER	211.1 [8.31]	332.3 [13.08]
STD. COVER	157.8 [6.21]	247.2 [9.73]
FLAT COVER	88.4 [3.48]	111.3 [4.38]



Dimensions in mm, imperial dimensions (inches) in parenthesis

TECHNICAL SPECIFICATIONS

Materials of construction	
Enclosure	Aluminum with powder coat finish
	Stainless steel with electropolished finish
Temp. range	-30°C to +85°C (Flat cover -20°C to +85°C)
Shaft and hardware	Stainless steel
Bushing	Oil impregnated bronze (aluminum enclosure)
	PTFE (stainless steel enclosure)
Beacon visual indicator	Co-polyester
Drive shaft	
Westlock standard	Double-D with ¼" A/F
NAMUR standard	NAMUR standard VDI/VDE 3845
Available switches	
	V3 SPDT mechanical switches
	DPDT mechanical switches
	V3 inductive proximity sensors
	Magnum SPDT (hermetically sealed proximity type) switches

NOTES

1. See selection guide for standard conduit entries
2. See switches and sensors data sheet for further information
3. Please consult your sales office for any other requirements

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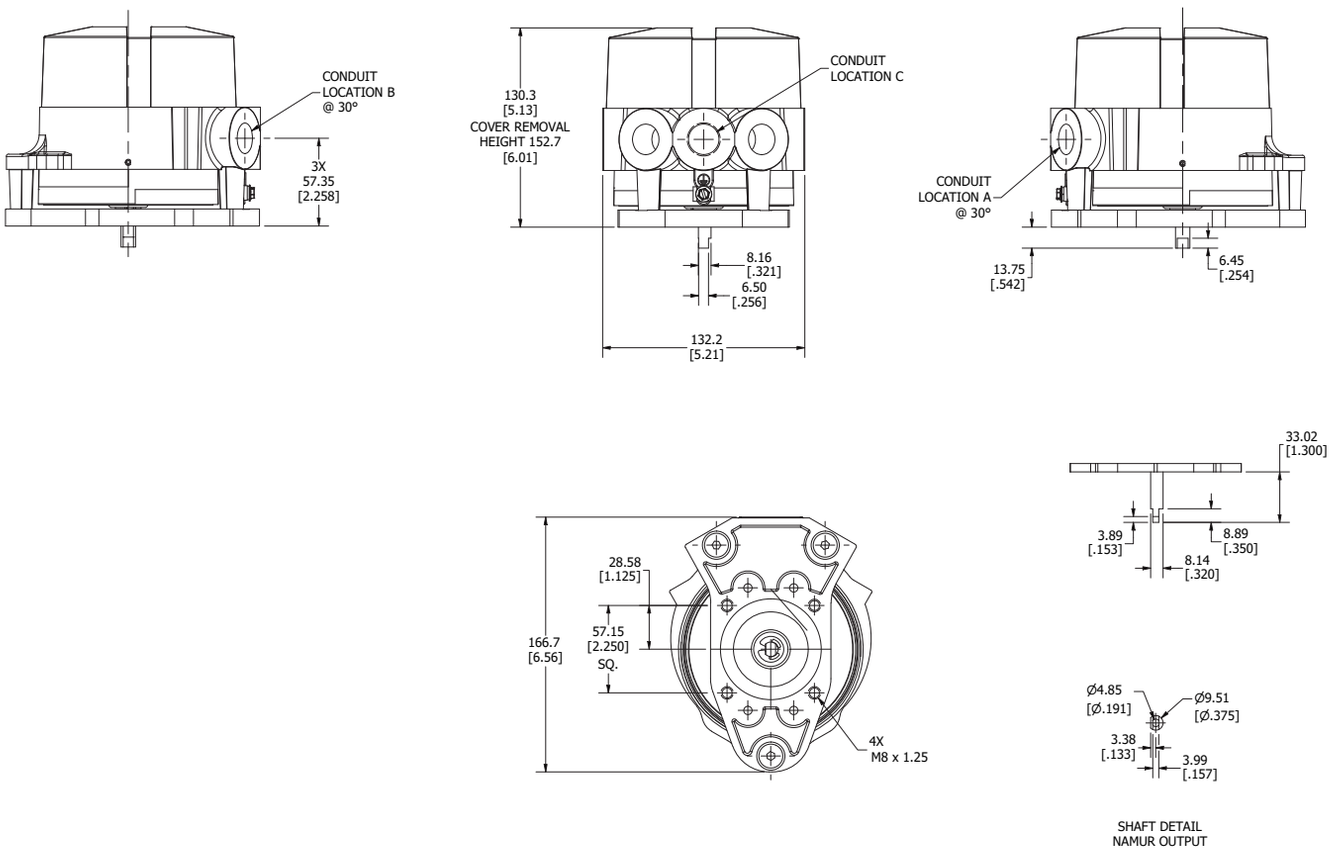
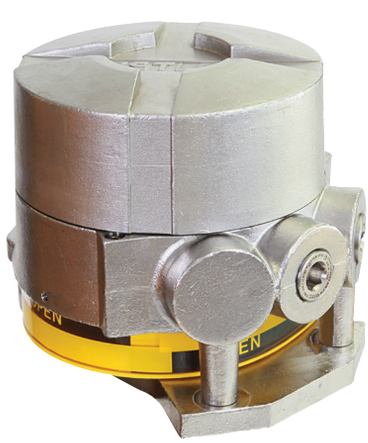
2600 SERIES ENCLOSURE DIMENSIONS



Dimensions in mm, imperial dimensions (inches) in parenthesis

TECHNICAL SPECIFICATIONS

Materials of construction	
Enclosure	Aluminum with powder coat finish
	Stainless steel with electropolished finish
Temp. range	-60°C to +110°C
Shaft and hardware	Stainless steel with electropolished finish
Bushing	Oil impregnated bronze (aluminum enclosure)
	PTFE (stainless steel enclosure)
Beacon visual indicator	Co-polyester
Drive shaft	
Westlock standard	Double-D with ¼" A/F
NAMUR standard	NAMUR standard VDI/VDE 3845
Available switches	
	V3 SPDT mechanical switches
	DPDT mechanical switches
	V3 inductive proximity sensors
	Magnum SPDT (hermetically sealed proximity type) switches



NOTES

1. See selection guide for standard conduit entries
2. See switches & sensors data sheet for further information
3. Please consult your sales office for any other requirements

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Housing

22 2200 with flanged lid

Cover style

4 With Beacon visual indication
6 No visual indication

Switch type

5 Microswitch SPDT contacts
6 Microswitch DPDT contacts
7 V3 Inductive sensor
9 Magnum proximity switch
0 No switches fitted

Material

A Aluminum
S Stainless steel

Beacon type and color

BY Black/Yellow
AR ANSI Red/White
GR Green/Red
00 No Beacon fitted

B1 BM3-1 pattern 90°
B3 BM3-3 pattern 90°
B5 BM3-5 pattern 90°
B7 BM3-7 pattern 180°
B9 BM3-9 pattern 180°

Drive shaft type

S Westlock standard - ¼" A/F (6.32 mm)
N NAMUR standard shaft - VDI/VDE 3845
* Non-standard (consult sales office)

Ancillary options

000 No ancillary options
0DS 4-20 mA Digital Signal Position Transmitter (available with switch types 5, 7 and 9 only)

Switch/sensor quantity

0 No switch/sensor fitted
2 Two switches/sensors
4 Four switches/sensors
6 Six switches/sensors (consult sales office)

Conduit entries supplied

2 Two entries - standard
4 Four entries (consult sales office)

Unit specification

AAA Standard build- M20 conduit entries
ADZ 3/4 " NPT conduit entries
EIS 2 x 3/4 NPT + 2 x 1/2 NPT
* * * Non-standard material (consult sales office)

Certification

A ATEX & IECEx
* Other options (consult sales office)

Revision

R* Internal revision #

22	4	9	A	BY	N	000	2	2	AAA	A	R3

= Model number **2249ABYN00022AAA-AR3**

NOTES

1. Please contact your sales office for guidance on selecting the best possible combination for your control and monitoring requirements.
2. See Hazardous area classification technical bulletin for further information on global standards.

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Housing

26 2600 with screw lid

Cover style

4 With Beacon visual indication
6 No visual indication

Switch type

5 Microswitch SPDT contacts
6 Microswitch DPDT contacts
7 V3 Inductive sensor
9 Magnum proximity switch
0 No switches fitted

Material

A Aluminum
S Stainless steel

Beacon type and color

BY Black/Yellow
AR ANSI Red/White
GR Green/Red
00 No Beacon fitted

B1 BM3-1 pattern 90°
B3 BM3-3 pattern 90°
B5 BM3-5 pattern 90°
B7 BM3-7 pattern 180°
B9 BM3-9 pattern 180°

Drive shaft type

S Westlock standard - ¼" A/F (6.32 mm)
N NAMUR standard shaft - VDI/VDE 3845
* Non-standard (consult sales office)

Ancillary options

000 No ancillary options
0DS 4-20 mA Digital Signal Position Transmitter (availale with switch types 5, 7, and 9 only)

Switch/sensor quantity

0 No switch/sensor fitted
2 Two switches/sensors
4 Four switches/sensors (consult sales office)

Conduit entries supplied

2 Two entries - standard
3 Three entries
4 Four entries (consult sales office)

Unit specification

AAA Standard build- M20 conduit entries
ADZ 3/4" NPT conduit entries
* * * Non-standard material (consult sales office)

Certification

A ATEX & IECEx
* Other options (consult sales office)

Revision

R* Internal revision #

26	4	9	S	BY	N	000	2	2	AAA	A	R2	= Model number **2649SBYN00022AAA-AR2**

NOTES

1. Please contact your sales office for guidance on selecting the best possible combination for your control and monitoring requirements.
2. See Hazardous area classification technical bulletin for further information on global standards.

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