WESTLOCK CONTROLS

ACCUTRAK™ 1040/9358/9044/9467 ROTARY POSITION MONITORS

WEATHERPROOF – NEMA

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

FEATURES

Models 1040/9358/2004/9044/9467

- 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.
- 4-20 mA 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.
- Heavy Duty 316 stainless steel enclosure available.

TECHNICAL DATA

Agency approvals

Enclosure standards (ANSI/NEMA 250)	
Models 1040, 9358, 2004, 9044, 9467	NEMA 4, 4X
Switches	
Models 1040	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
Model 9467	V3 mechanical, SPDT V3 mechanical, gold plated contacts, SPDT DPDT (Form CC) mechanical

Enclosures

Models 1040, 9358	Engineered resin
Models 2004, 9044	Aluminum
Model 9467	Engineered resin, Stainless steel (option)

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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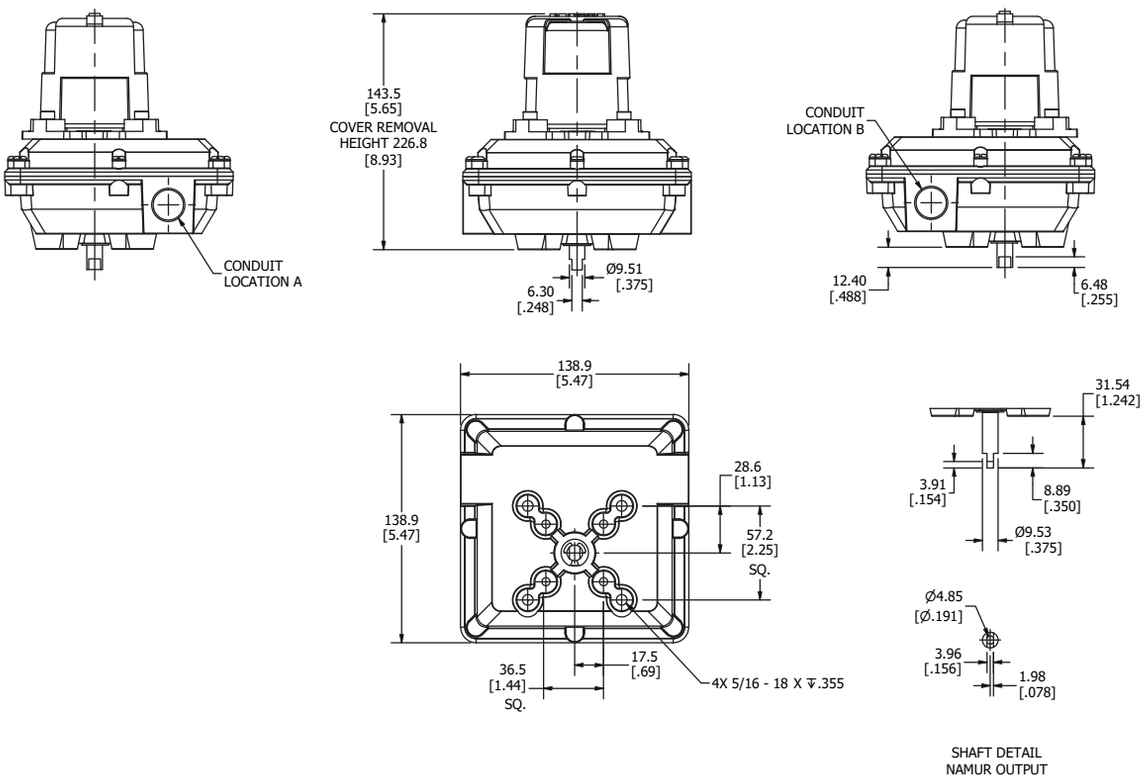
MODELS 1040/9358 DIMENSIONS



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

TECHNICAL SPECIFICATIONS	
Materials of construction	
Enclosure	Engineered resin
Shaft and hardware	Stainless steel
Internal threaded inserts	Brass
Bushing	Oil impregnated bronze
Beacon visual indicator	Co-polyester
Drive shaft	
Standard	Double-D with ¼" A/F
Option	NAMUR standard VDI/VDE 3845
Available switches	
Model 1040	V3 mechanical switches, SPDT
Model 9358	Magnum, SPDT hermetically sealed switches with tungsten contacts Magnum, SPDT hermetically sealed switches with rhodium contacts
Options:	
Model 9358	Stainless steel enclosure (size & dimensions differ)

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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Base model

1040	Engineered Resin Enclosure
2004	Aluminum Enclosure

Shaft output

S	Standard (Double-D with 1/4" Flats)|
D	Direct mount to Keystone F89 actuators
N	NAMUR

Beacon

BY	BM2-Y (Black Closed/Yellow Open - Standard)	B5	BM3-5 (3-way B5 Flowpath)
RG	BM2-RG (Red Closed/Green Open)	B7	BM3-7 (3-way B7 Flowpath)
FE	BM2-Y-FE (French/English)	B9	BM3-7 (3-way B9 Flowpath)
B1	BM3-1 (3-way B1 Flowpath)	FC	Flat Cover
B3	BM3-3 (3-way B3 Flowpath)		

Conduit

2A	Two 1/2" NPT (F)

Position switches

2M02	Two SPDT mechanical switches - 8 pt. Terminal Strip
2M04	Two DPDT mechanical switches - 16 pt. Terminal Strip (Only Available for 2004)

Position Transmitter

00	None
DS	4-20 mA Digital Signal Position Transmitter - 12 pt. Terminal Strip w/2M02 (Only Available for 2004)

Unit Specialty Codes *(leave blank for standard builds)*

00710	12 - pt. Terminal Strip
01351	SIL 3 (Only Available for 1040)
000BR	*For Brazilian Approvals, refer to OG-BRZ-026*

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

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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