

Saunders[®] Opti-SET Valve Position Monitoring Unit

Opti-SET is a unique valve position monitoring unit designed for use with the Saunders S360 and EC actuated diaphragm valves sizes DN8 to DN50 (¼" to 2").

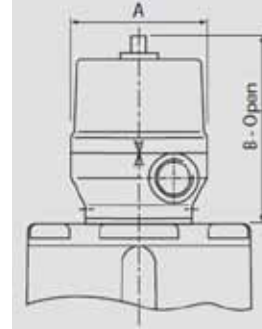
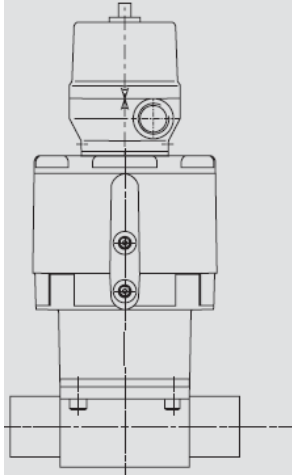
Key features include:

- 1 Compact rugged design
- 2 IP67 (NEMA 4X) Ingress protection
- 3 Mechanical or inductive proximity switches
- 4 ATEX certified Ex ib mechanical and proximity switch options
- 5 Ease of setting with Opti-SET switch cams
- 6 Visual indication with auto-set indicator shroud
- 7 Corrosion resistant enclosure
- 8 Mounting 0 to 360° orientation



The simple design of Opti-SET provides quick and easy installation and commissioning, compactness and reliability for applications requiring positive indication of valve position.

Saunders® Opti-SET Valve Position Monitoring Unit



S360/EC	AØ	B
DN8 - DN50	75 mm	137 mm
¼" - 2"	2.95"	5.39"

Dimensions

Height 137 mm (maximum) Indicator extended - DN50 actuator
Diameter 75 mm

Materials of Construction

Enclosure - Carbon-filled Nylon 66
Mounting Rings - Carbon-filled Nylon 66
Internal Bracket - Noryl
Switch Striker - Nylon 66
Spindle - Anodised Aluminum
Fasteners - 316 Stainless Steel
Terminal Strip - High grade Melamine
Indicator Shroud - Clear Polycarbonate

Finish

Natural

Temperature Limits (non I.S. products)

Operating -20°C to 85°C (-4°F to 185°F)

Ingress Protection - EN 60529

IP 67

EU Directive Compliance - CE Marked

Machinery Directive 2006/42/EC
LV Directive (Micro Switch Variants) 2006/95/EC
EMC Directive (Proximity Switch Variants) 2004/108/EC
ATEX Directive (Intrinsically Safe Variants) 94/9/EC

Switch Options

Please refer to document references KSP-0395 for intrinsically safe options.

Micro Switches

Number of switches - 1 or 2
Silver contact S.P.D.T. (Type M1)
Gold contact S.P.D.T. (Type M2)

Proximity Sensors

Number of sensors - 1 or 2
3 wire NPN (P6)
3 wire PNP (P7)
2 wire PNP/NPN (P8, P9)

Terminals

5 way 2.5mm² conductor

Method of Calibration

Push set

Mounting

CRANE EC Actuators DN8 to DN50 (¼" to 2")
M0K-00100 DN8 to DN25 (¼" to 1")
M0K-00101 DN40 to DN50 (1 ½" to 2")

Visual Position Indication

Yellow spindle extending into sealed auto-set clear polycarbonate indicator shroud.

Cable Entry Options

1 - M20 x 1,5
1 - ½" NPFT

Please visit our Web-Based Drawing Library at: www.saundersdrawings.com for current database of drawings in PDF, 2D DWG, and 3D STP formats.

CRANE

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