

Crydom

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See full Datasheet below...

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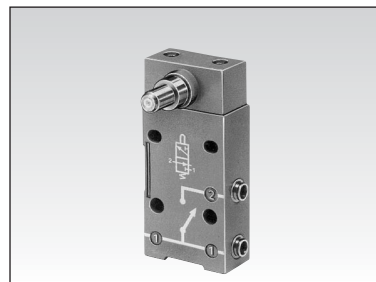
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"Compact" series position detectors



Part numbers

Features

Version

Direct acting
81 922 401

Roller plunger with
unthreaded barrel

Rotary actuator
81 922 205

Right-hand rotary
head with roller
lever (CNOMO)

Rotary actuator
81 922 010

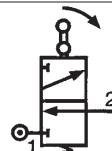
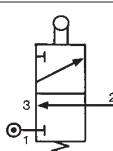
Programmable
rotary head
without lever

Rotary actuator
81 922 210

Programmable
rotary head
without lever

1

Symbol



Characteristics

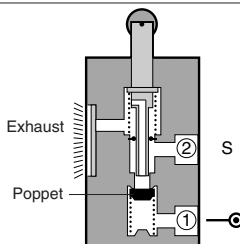
	BSP		—	1/8		—	1/8
Connection	push-in for semi-rigid tubing O.D.(NFE 49100)	inches (mm)	5/32" (4)	—	5/32" (4)	—	—
Operating pressure	psi (bar)		2 > 120 (0.1>8)	2 > 120 (0.1>8)	2 > 120 (0.1>8)	2 > 120 (0.1>8)	2 > 120 (0.1>8)
Bore diameter	inches (mm)		0.118 (3)	0.118 (3)	0.118 (3)	0.118 (3)	0.118 (3)
Flow at 90 psi (6 bars)	cfm (Nm³/h)		7 (12)	7 (12)	7 (12)	7 (12)	7 (12)
Activation force at 90 psi (6 bars)	oz (daN)		90 (2.5)	90 (2.5)	90 (2.5)	90 (2.5)	90 (2.5)
Circuit function: NC			•	•	•	•	•
Mechanical life	operations		10 million	10 million	10 million	10 million	10 million
Silenced or connectable (1/8) exhaust			•	•	•	•	•
Operating temperature	°F (°C)		+20>+120 (-5>+50)	+20>+120 (-5>+50)	+20>+120 (-5>+50)	+20>+120 (-5>+50)	+20>+120 (-5>+50)
Weight	(grams)		150	193	175	175	175

Accessories

Lever with roller	plastic	79 452 103	—	•	•	•
	bearing	79 452 104	—	•	•	•
Lever with adjustable roller	plastic	79 452 123	—	•	•	•
	bearing	79 452 124	—	•	•	•
Adjustable steel rod lever		79 452 133	—	•	•	•

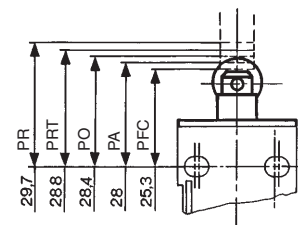
2

Principle of operation



Vertical attack

Detectors with roller plunger with unthreaded barrel.

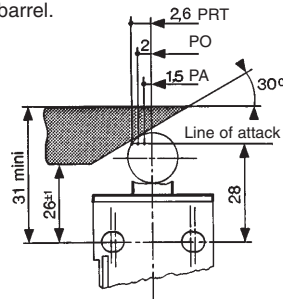


Actuation positions :

- PA : Operating position (max output kV)
- PFC : End of travel position
- PO : Mid-position closed (no exhaust, no outlet)
- PRT : Release position (max exhaust kV)
- PR : Rest position

Horizontal attack

Detectors with roller plunger with unthreaded barrel.



Other information

The detectors 81 922 010 and 81 922 210 can operate to both left and right.

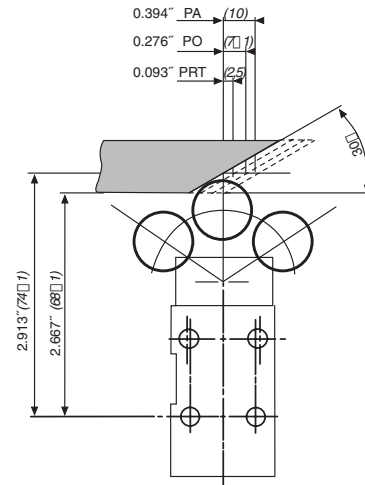
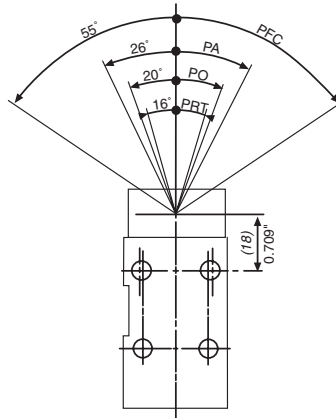
Products and specifications subject to change without notice.

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Rotary actuator

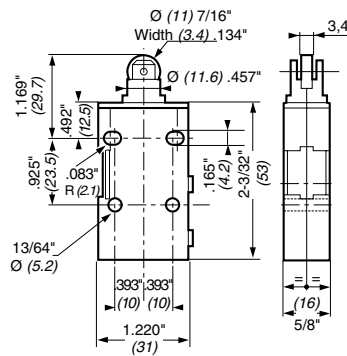
Detectors with levers

81 922 - 81 922 0 - 81 922 2

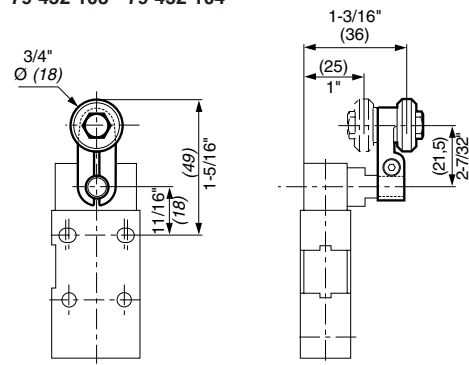


Dimensions

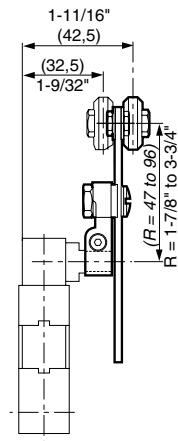
81 922 401



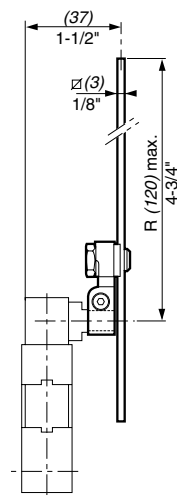
81 922 205 - 81 922 0 - 81 922 2
79 452 103 - 79 452 104



79 452 123 - 79 452 124



79 452 133



Use (metric) dimensions for critical data.

To order, specify :

Standard products	1 Part number 2 Accessory Example : "Compact" series position detectors 81 922 010 - Lever with plastic roller 79 452 103
Standard products, non stocked	

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