

Models 71 and 72

402.969.8000



Models 71 and 72

GO Switch Models 71 and 72 have the smallest diameters of any round leverless limit switch, and are used extensively in factory automation applications.

Features:

- SPDT 4A contacts
- Intrinsically Safe
- 40° to 221°F operating temperature

Options:

- Suitable for Zone 0, 1, or 2 explosion proof
- 40° to 400°F high temperature
- Quick disconnect connector
- English or Metric threads

Model

- Repeatability:** .002" (.05 mm) typical
- Response Time:** 8 milliseconds
- Differential:** Approx. 0.20" (.51 mm)
- Operating Temperature:** -40° to 221°F (-40° to 105°C). HiTemp option to 400°F (204°C)

71 Model 71
3/8" (10 mm) dia. x 3 15/16" (100 mm) long, with 3/8"-24 UNF x 1 1/2" (38 mm) threads and 1/2" NPT conduit hub

71M Model 71
M12 x 1 external metric thread

72 Model 72
3/8" (10 mm) dia. x 3 3/8" (86 mm) long, with 3/8"-24 UNF x 1 1/2" (38 mm) threads. No conduit hub

72M Model 72
M12 x 1 external metric thread

Contact Form

Contact Material: Palladium silver with sawtooth surface configuration

Form: SPDT, Form C

Ratings: Resistive

AG	BC
120	24
240	48
480	125
	250

1 Single Pole Double Throw (Form C)



Form C - SPDT

Ordering Guide

Fill in the boxes to create your 'ordering number.'

Model

71

Contact Form

1

Sensing Range

6

Outlet Position

Sensing Range

Target Material: Ferrous steel

Sensing Range: Approx. .040" (1 mm) end sensing

Sensing Range with Target Magnet: up to .15" (4 mm)

6 Standard sensing - approx. .040" (1 mm) end sensing

Extended Sensing Range with External Target Magnets
(See Accessories for External Target Magnets)

Magnet	Sensing	Differential
AMP3	.12"	.07"
AMS4	.15"	.10"
AMS7	.13"	.045"

Outlet Position

Conduit Outlet: 1/2" NPT

2 Side entry (Model 72)
(Approval must be B)
(Wiring must be F)

5 Bottom of enclosure

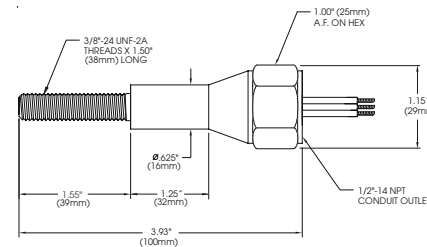
Need Accessories?

See pp. 93-104 for:
Range Extending Target Magnets
Mounting Brackets
Connectors and more!

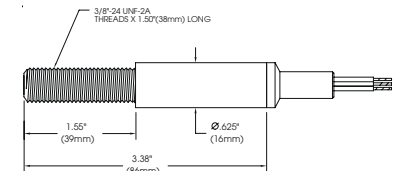
Leverless Limit Switches



Round Switches



Model 71



Model 72

Enclosure Material

- 2** 303 stainless steel (rated 2,000 PSI)
- 6** 316 stainless steel (rated 2,000 PSI)

Approvals



- 2** High temperature to 400°F (204°C) with Teflon™ insulated leads (Wiring must be F)
- 3** UL listed explosion proof for CI I, Div 1 & 2; Grps A,B,C,D; CI II, Div 1 & 2, Grps E-G; CI III (Model 71) (Wiring must be A, B, or F) (Lead seal req'd within 18")
- 4** CSA certified explosion proof for CI I, Div 1; Grps A,B,C,D; CI II, Div 1; Grps E-G; CI III (Model 71) (Lead seal req'd within 18")
- 6** CSA certified CI I, Div 2; Grps A,B,C,D; CI II, Div 2; Grps E-G; CI III (Model 71) (Wiring must be A, B, or F) (Lead seal req'd within 18")
- 7** CSA certified General Purpose
- 8** UL listed General Purpose
- A** SAA: Ex s IIC T6 IP65; CI I Zone 1 & 2; EX S IIC T6 IP65; CI I Zone 0; DIP CI II (Intrinsically safe with entity approved barrier. Install per NEC Article 501.) (Wiring must be A) (Model 71)
- B** SAA: High Temp EX S IIC T6 IP65; CI I Zone 1 & 2; EX S IIC T6 IP65; CI I Zone 0; DIP CI II (Intrinsically safe with entity approved barrier. Install per NEC Article 501.) (Wiring must be F) (Model 71)

Wiring Options

- Lead Wires** 18 Gauge (.110" dia) potted-in PVC insulated AWM / TEW stranded lead wires, rated at 221°F (105°C) 600V UL / CSA listed
- A2** 36" (914 mm)
- A3** 72" (1829 mm)
- A4** 144" (3658 mm)
- A** ___ Lengths greater than 144" (Specify length in feet (e.g. A150 = 150 ft. of leads))
- Cable** 18 Gauge (.250" dia.) potted-in PVC cable, rated at 176°F (80°C) 300V UL / CSA listed
- B2** 36" (914 mm)
- B3** 72" (1829 mm)
- B4** 144" (3658 mm)
- B** ___ Lengths greater than 144" (Specify length in feet (e.g. B150 = 150 ft. of cable))
- Water Resistant** 18 Gauge (.250" dia) PVC cable rated at 176°F (80°C) 300V with water-resistant squeeze connector. (Model 72) UL/CSA listed
- C2** 36" (914 mm)
- C3** 72" (1829 mm)
- C4** 144" (3658 mm)
- C** ___ Lengths greater than 144" (Specify length in feet (e.g. C150 = 150 ft. of cable))
- Quick Disconnect** Male Quick Disconnect only, potted-in connector. (CSA requires a case ground) (Approval must be 7 or 8) Refer to pp. 93-104 for mating cable assemblies and Aura Light Adapters.
- Mini-change®**
 - DCA** 3 pin Mini-change® type
 - DCD** 4 pin Mini-change® type
 - DCG** 5 pin Mini-change® type
- Micro-change®**
 - DBA** 3 pin Micro-change® type
 - DBD** 4 pin Micro-change® type
 - DBG** 5 pin Micro-change® type
- HiTemp Leads** 18 gauge (.070" dia. potted-in Teflon™ insulated leads rated at 482°F (250°C) 600V UL / CSA listed (Approval must be 2, 3, 4, 6, 7, 8, or B)
- F2** 36" (914 mm)
- F3** 72" (1829 mm)
- F4** 144" (3658 mm)
- F** ___ Lengths greater than 144" (Specify length in feet (e.g. F150 = 150 ft. of leads))

Enclosure Material

Approvals

Wiring Options