GO SWITCH

LEVERLESS LIMIT SWITCHES

PROXIMITY SENSORS FOR HARSH ENVIRONMENTS AND TOUGH APPLICATIONS

- Suitable for use in hot, cold, wet, dirty, abusive, corrosive, and explosive environments
- Certified for use in all hazardous areas
- Wide variety of shapes, sizes, and sensing ranges
- Completely unique technology and design

TOPWORX

Control Without Compromise

TOPWORX GLOBAL LEADER IN VALVE CONTROL AND POSITION SENSING

TopWorx is the global leader in valve control and position sensing solutions for the process industries. Our solutions help plants, platforms, and pipelines improve productivity and increase safety in the harshest environments and toughest applications.

GLOBAL TECHNOLOGY LEADERSHIP

TopWorx technology advancements are at the forefront of innovation in the process automation industry. TopWorx uses wireless technologies and fieldbus protocols such as FOUNDATION Fieldbus, DeviceNet, AS-Interface, Profibus, and HART to reduce installation costs and enable predictive maintenance.

GLOBAL HAZARDOUS AREA CERTIFICATIONS

In addition to high temperature (204°C), cold temperature (-50°C), and sub-sea (6,800 meters) applications, TopWorx products are suitable for use in Flameproof/Explosion Proof, Non-Incendive, Intrinsically Safe hazardous areas with IECEx, ATEX, GOST, InMetro, UL, CSA, JIS, KOSHA, and NEPSI certifications.

GLOBAL SERVICE & SUPPORT

With company locations in the United States, United Kingdom, South Africa, Bahrain, and Singapore, TopWorx is strategically positioned to provide outstanding support. In addition, over 150 Certified Product Partners throughout the world are available to provide competent local support when needed.

WWW.TOPWORX.COM

Visit **www.topworx.com** for comprehensive information on our company, capabilities, and products – including model numbers, data sheets, specifications, dimensions, and certifications.

LEVERLESS LIMIT SWITCHES FOR HARSH ENVIRONMENTS

GO® Switch leverless limit switches provide reliable, durable position sensing in the most demanding plant conditions. Using completely unique technology, GO Switches outperform all other types of sensors in applications that are hot, cold, wet, dirty, abusive, corrosive, and explosive.

Best-in-class capabilities:

- Highest amp rating
- Highest pressure rating
- Highest temperature rating
- Highest hazardous area ratings
- Highest resistance to physical abuse
- Highest resistance to corrosives, salt water

GO® Switch leverless limit switches deliver superior performance in the toughest applications. With GO Switch, customers enjoy:

- One-of-a-kind technology that offers high current ratings, AC/DC and NO/NC wiring flexibility, no-touch sensing, and global certifications to provide the ultimate performance in position sensing.

- Global certifications for use in Zone 0 (intrinsically safe), Zone 1 (explosion proof), and Zone 2 (non-incendive) hazardous areas.

- Proven reliability in the automotive, cement, chemical, diecasting, food & beverage, hydrocarbon, manufacturing, mining, oil & gas, petrochemical, power generation, pulp and paper, steel & aluminum, tire & rubber, and water & wastewater industries.

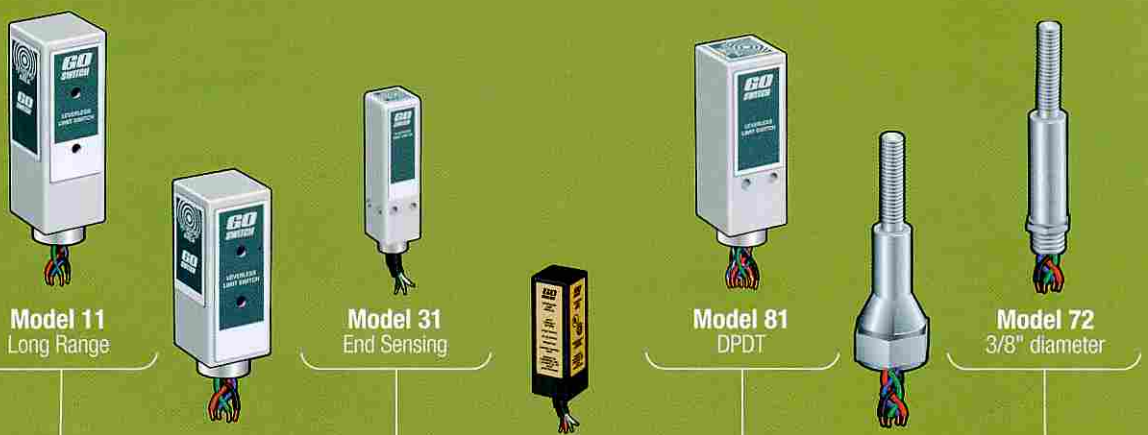
- Durability in mission-critical applications in extremely hot, cold, wet, dirty, abusive, corrosive, and explosive environments.

GO® SWITCH CAPABILITES
Common Features & Benefits

Using a completely unique technology, GO® Switches outperform conventional limit switches and proximity sensors in the toughest applications. If your plant conditions are hot, cold, wet, dirty, abusive, corrosive, or explosive, be sure to specify GO® Switch leverless limit switches for a long, trouble-free life.

IECEx Ex ATEX CE FM SP UL CSA JIS KOSHA NEMKO PG

GO® Switch Quick Selection Guide



Model 11
Long Range

Model 21
Side Sensing

Model 31
End Sensing

Model 35
Valve Position Sensor

Model 81
DPDT

Model 71
3/8" diameter

Model 72
3/8" diameter

GO SWITCH

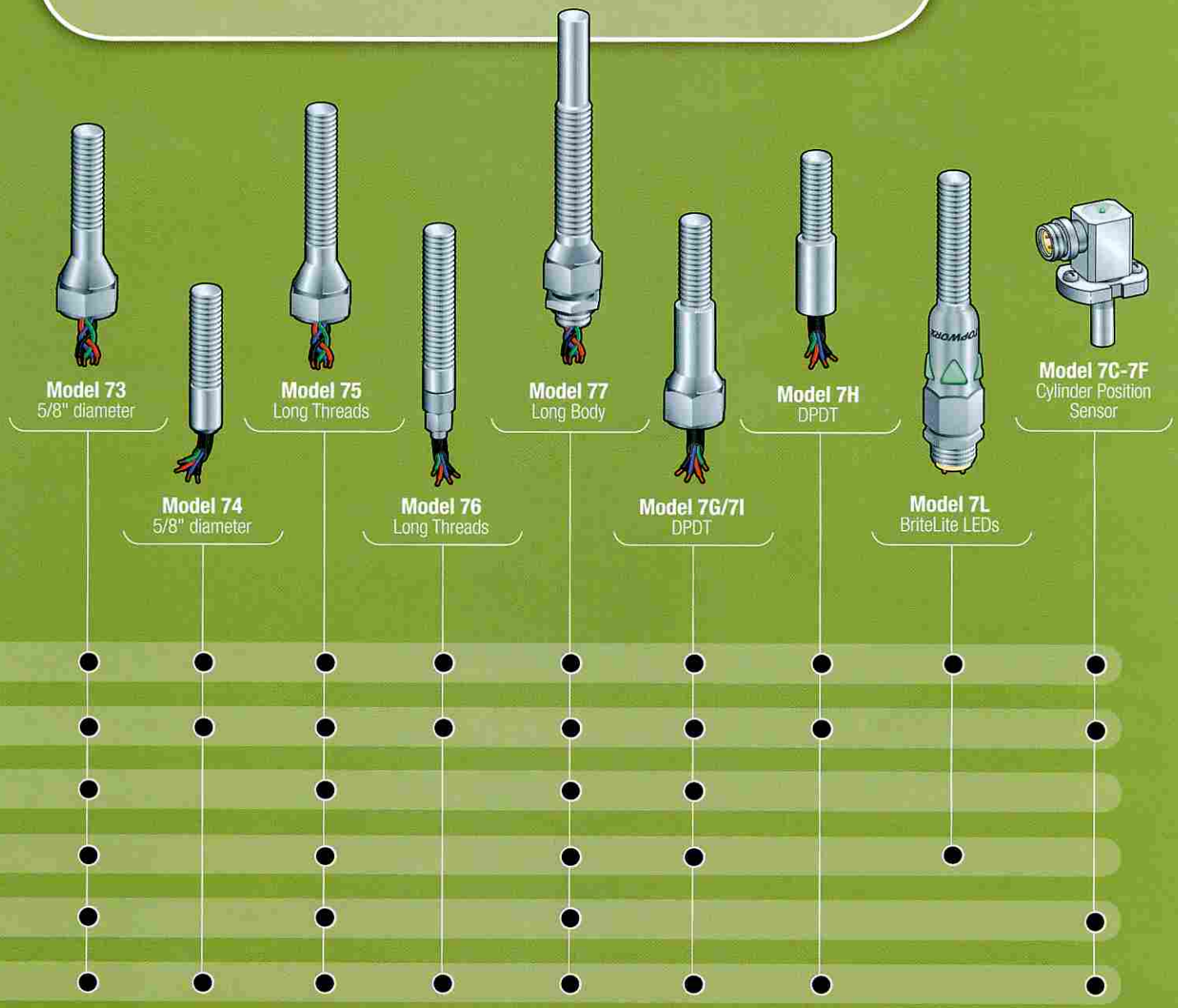
Industrial Environment

	Model 11	Model 21	Model 31	Model 35	Model 81	Model 71	Model 72
General Purpose	●	●	●	●	●	●	●
Intrinsically Safe Zone 0 (Class I, Div 1)	●	●	●	●	●	●	●
Explosion Proof Zone 1 (Class I, Div 1)	●	●	●		●	●	
Non-Incendive Zone 2 (Class I, Div 2)	●	●	●		●	●	
Underwater	●	●			●		
High Temperature	●				●	●	●

Square Position Sensors | **Round Position Sensors**

Virtually all GO Switches offer the following features and benefits:

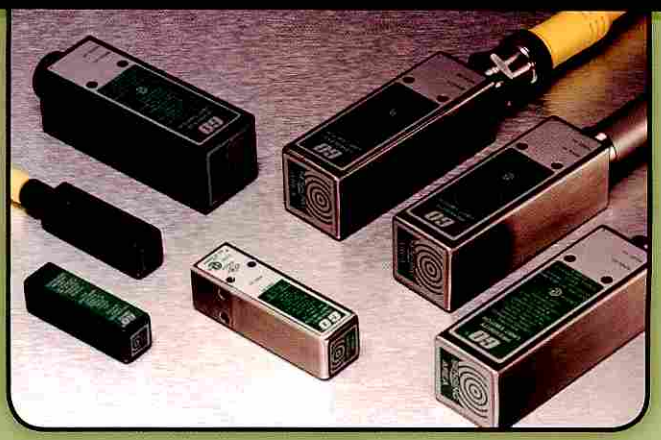
Features	Benefits
Proximity triggering with ferrous metal - no exposed moving parts	Eliminate broken or bent lever arms, poor mechanical alignment, and poor repeatability
Immune to electrical noise, weld fields, and radio frequency interference	Eliminate electrical problems common to inductive proximity sensors
Consume no power to operate	Eliminate leakage current and voltage drops
Can be wired AC or DC, N/O or N/C, in series or parallel	Flexibility to cover a variety of application needs with fewer part numbers
All-metal housings with contacts potted and sealed from the environment	Performance is not affected by dust, dirt, moisture, or most caustics, corrosives, or chemicals
Multiple wiring options, including lead wires, cables, quick disconnects, etc.	Easy installation and seamless integration into your existing plant wiring standards
A wide variety of hazardous area certifications for Zone 0, 1, and 2	Compliance with intrinsically safe, explosion proof, and non-incendive requirements
Operating temperatures ranging from -40°C (-40°F) to204°C (400°F).	Ability to monitor plant processes in areas too hot or too cold for conventional sensors

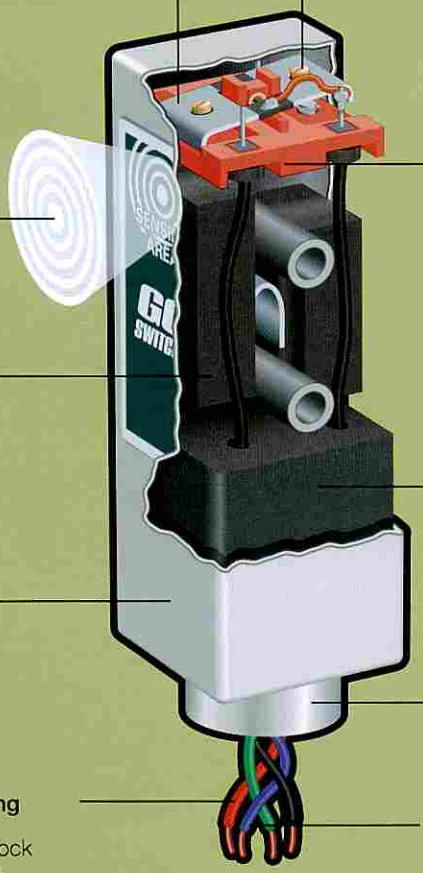


GO® SWITCH - SQUARE SENSORS

Built to last in the most demanding plant conditions

The original "leverless limit switches," 10, 20, 30, and 80 Series GO® Switches are the ideal replacements for traditional mechanical limit switches. Their sealed contacts, rugged enclosures, no-touch sensing, and snap action response make these switches the ultimate problem solvers for troublesome limit switch applications.





Versatile gold flashed contacts are suitable for high and low electrical loads, and can be wired **AC or DC, N/O or N/C.**

Seesaw armature provides **snap action** and solid contact pressure, eliminating 'contact teasing' and 'contact chatter' in high vibration applications.

Sealed contact chamber **prevents moisture or dust** from reaching the contacts.

Side sensing range can be extended to **nearly 4"** using external target magnets.

Permanent magnets never lose their strength.

Potting fills the entire switch cavity, forming a **barrier against moisture.**

Rugged brass or stainless steel housing **withstands physical abuse, moisture, and corrosives.**

Conduit hub can be located in any of 5 positions for **versatile installation.**

Multiple wiring options:
- Terminal Block
- Lead Wires
- Subsea
- Cable
- Quick Disconnects

Consumes no power to operate and has no current leakage or voltage drop.

MODEL 11

10-20 SERIES

GO® Switch Models 11 and 21 are the world's original leverless limit switches.

Their simple design, rugged enclosures, long sensing ranges, and global approvals make these switches the ideal choice wherever reliable position sensing is needed.

11/21

Features
- SPDT contacts rated 10amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- Side sensing
- Brass or stainless enclosures
- Inherently Intrinsically Safe
- -40° to 105°C (-40° to 221°F) operating temperature

Options
- Zone 0, 1, or 2 hazardous areas
- 176°C (350°F) high temperature
- Quick disconnect connectors
- Underwater capabilities

"In 1979 we replaced our mechanical switches on wheel chockers for car loading with 10 series GO Switches and never had to replace them. The switches go through heavy wash downs daily. Before switching to GO Switches we were changing the mechanical switches weekly."
- Project **Engineer,** Power Plant

80 SERIES

The GO® Switch Model 81 offers end sensing and the optional worlds's only Double Pole Double Throw contact arrangement.

With its brass or stainless steel housings and global certifications, it is a popular choice around the world.

81

Features
- SPDT or DPDT contacts rated 10amp/120vac, 3amp/24vdc
- End sensing
- Brass or stainless enclosures
- Inherently Intrinsically Safe
- -40° to 105°C (-40° to 221°F) operating temperature

Options
- Zone 0, 1, or 2 hazardous areas
- 176°C (350°F) high temperature
- Quick disconnect connectors
- Underwater capabilities

"GO Switch is one of the most reliable products that we buy. I wish everything we buy would last as long and perform as well as GO Switch."
- **Lead Engineer,** Engineering Firm

35 SERIES

The GO Switch Model 35 leverless limit switch has set the standard for reliable performance in valve position monitors.

With its hermetically sealed contacts, high current rating, excellent repeatability, and superior resistance to vibration, moisture, contaminants, abuse, and temperature extremes, the GO Switch 35 Serices clearly outperforms any other valve position sensor on the planet. When ordering valve position monitors and switchboxes, be sure to specify "GO Switch Inside."

35

Features
- SPDT or DPDT contacts rated 4amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- Inherently Intrinsically Safe
- Hermetically Sealed contacts

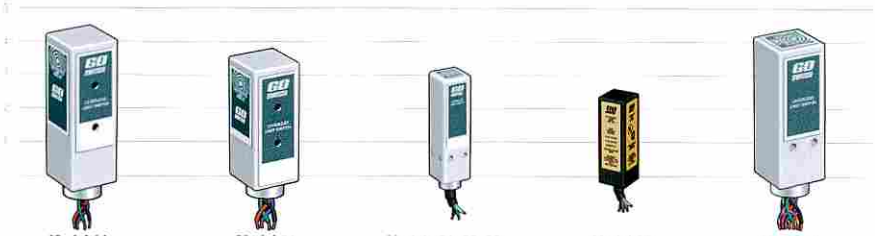
Options
- Stainless steel housing
- DPDT contacts

NEW!

NEW 35 SERIES OPTIONS
Hermetically Sealed DPDT Contacts
Stainless Steel Housing

GO® SWITCH ORDERING GUIDE - SQUARE SENSORS

Choose one option from each category to build a complete model number.



Model 11 Long Range | **Model 21** Side Sensing | **Models 31, 32, 33** End Sensing | **Model 35** Valve Position Sensor | **Model 81** DPDT

Model

Models 11, 21 & 81

- ✓ **11** 1 1/2" square x 4 9/16" overall. (Add 1/2" for bottom conduit outlet)
- ✓ **21** 1 1/2" square x 3 13/16" overall. (Add 1/2" for bottom conduit outlet)
- ✓ **81** 1 1/2" square x 4 3/8" overall. (Add 1/2" for bottom conduit outlet)

Models 31 & 35

- **31** 1" square x 3 1/4" overall
- ✓ **35** 3/4" square x 2 1/2" overall

Ordering Guide
Fill in each box to create a complete model number.

Model

Contact Form

- ✓ **1** Single Pole Double Throw (Form C)
- ✓ **2** Double Pole Double Throw (Form CC) (Model 81 Only)
- **3** Single Pole Double Throw (Form C) Latching (Maintained contact) (Models 11 & 21 only) (Outlet 2, 4 or 5 only)
- **5** Double Make Double Break (Form Z) Two-circuit (Models 11 & 21 only)
- **6** Double Make Double Break (Form Z) Two circuit, Latching (Maintained contact) (Outlet position must be 2, 4 or 5) (Models 11 & 21 only)

- ✓ **1** Single Pole Double Throw (Form C) (Model 35 hermetically sealed)
- **2** Double Pole Double Throw (Form CC) Hermetically sealed (Model 35 only)

Contact Form

Sensing Range

- ✓ **0** 1/4" end sensing (Model 81 only)
- ✓ **1** Standard sensing - 3/8" side sensing (Model 11 & 21 only)
- ✓ **2** Extended sensing - 9/16" side sensing (Contact form must be 1 or 3) (Model 11 only)
- **7** Precision sensing - 1/4" side sensing (Minimal differential) (Models 11 & 21 only)

- ✓ **3** Approx. 1/10" end sensing (Model 35 only)
- **7** Approx. 1/4" end sensing (Model 31 only)

Sensing Range

Outlet Position

- ✓ **1** Behind sensing area
- **2** Left of sensing area (Models 11 & 21 only)
- **3** Right of sensing area (Models 11 & 21 only)
- **4** Same side as sensing area (Models 11 & 21 only)
- ✓ **5** Bottom of enclosure

- ✓ **3** No conduit hub, bottom outlet (Model 35 only)
- **5** Bottom of enclosure (Model 31 only)

Outlet Position

FastTrack Delivery

11-11110-00
CI I Div 2 Non-Incendive
Side Terminal Block

11-12110-00
CI I Div 2 Non-Incendive
Extended Range, Side Terminals

11-12510-00
CI I Div 2 Non-Incendive
Bottom Terminal Block

11-12518-A2
General Purpose
3 ft. Lead Wires

21-11110-00
CI I Div 2 Non-Incendive
Side Terminal Block

21-11510-00
CI I Div 2 Non-Incendive
Bottom Terminal Block

21-11516-A2
CI I Div 2 Non-Incendive
3 ft. Lead Wires

21-11524-A2
CI I Div 1 Explosion Proof
3 ft. Lead Wires

35-13319-A2
Hermetic Seal,
Valve Sensor

81-20518-A2
General Purpose
DPDT, 3 ft. Lead Wires

81-20524-A2
CI I Div 1 Explosion Proof
DPDT Stainless, 3 ft. Leads

Enclosure Materials

✓ **1** Brass with flat black lacquer coating

✓ **2** Stainless steel*

3 Brass with corrosion resistant coating

4 Stainless steel with corrosion resistant coating

✓ **1** Copper - coated with flat black lacquer (Model 35 only)

2 Stainless steel* (Model 31 only)

4 Stainless steel - corrosion resistant coating (polyurethane)* (Model 31 only)

* All-welded stainless steel switches are recommended for wet or harsh environments.

Approvals

✓ **0** CSA / FM CI I, Div 2, Grps A-D; CI II, Div 2, Grps F & G, CI III Terminal Block (Contact form must be 1 or 3) (Wiring must be 00) (Models 11 & 21 only)

2 High temperature to 350°F (Models 11 & 81; Contact Form 1 or 3 (1 or 2 for Model 81) (Sensing 1 (0 for Model 81); Enclosure 2; Wiring F only)

3 UL CI I, Div 1 & 2; Grps A-D; CI II, Div 1 & 2, Grps E-G; CI III (Enclosure must be 2 or 4) (Lead seal required) (Wiring A, B, and F only)

✓ **4** CSA / FM CI I, Div 1; Grps A-D; CI II, Div 1; Grps E-G; CI III. (Enclosure must be 2 or 4) (Lead seal required) (Wiring A, B, and F only)

5 MSHA approved "Explosion Proof" (Enclosure 2 only) (Wiring B3 or longer) (Models 11 & 21 only) (Wiring A, B, and F only)

✓ **6** CSA / FM CI I, Div 2; Grps A-D; CI II, Div 2; Grps E-G; CI III. (Lead seal required)

7 CSA General Purpose

✓ **8** UL General Purpose

4 CSA / FM CI I, Div 1; Grps A-D; CI II, Div 1; Grps E-G; CI III. (Wiring A, B, or F only) (Model 31 only) (Lead seal required)

6 CSA / FM CI I, Div 2; Grps A-D; CI II, Div 2; Grps E-G; CI III; (Wiring A, B, or F only) (Model 31 only) (Lead seal required)

7 CSA certified General Purpose

8 UL listed General Purpose

✓ **9** Hermetic seal; UL listed General Purpose (Model 35 only)

Wiring Options

Terminal Block
✓ **00** (Models 11 & 21 only)

Lead Wires - 18 Gauge
✓ **A2** 36"
A3 72"
A4 144"
A_ _ _ Greater than 144" - specify length in 5ft. increments

Cable - 18 Gauge (Model 81 contact form 1 only)
B2 36"
B3 72"
B4 144"
B_ _ _ Greater than 144" - specify length in 5ft. increments

Mini Change Connector (Models 11, 21, 31, 81) (Approval 7 or 8 only; 3 pin is 8 only)
DCA 3 pin
DCD 4 pin
DCG 5 pin
DCH 7 pin (Model 81 only)

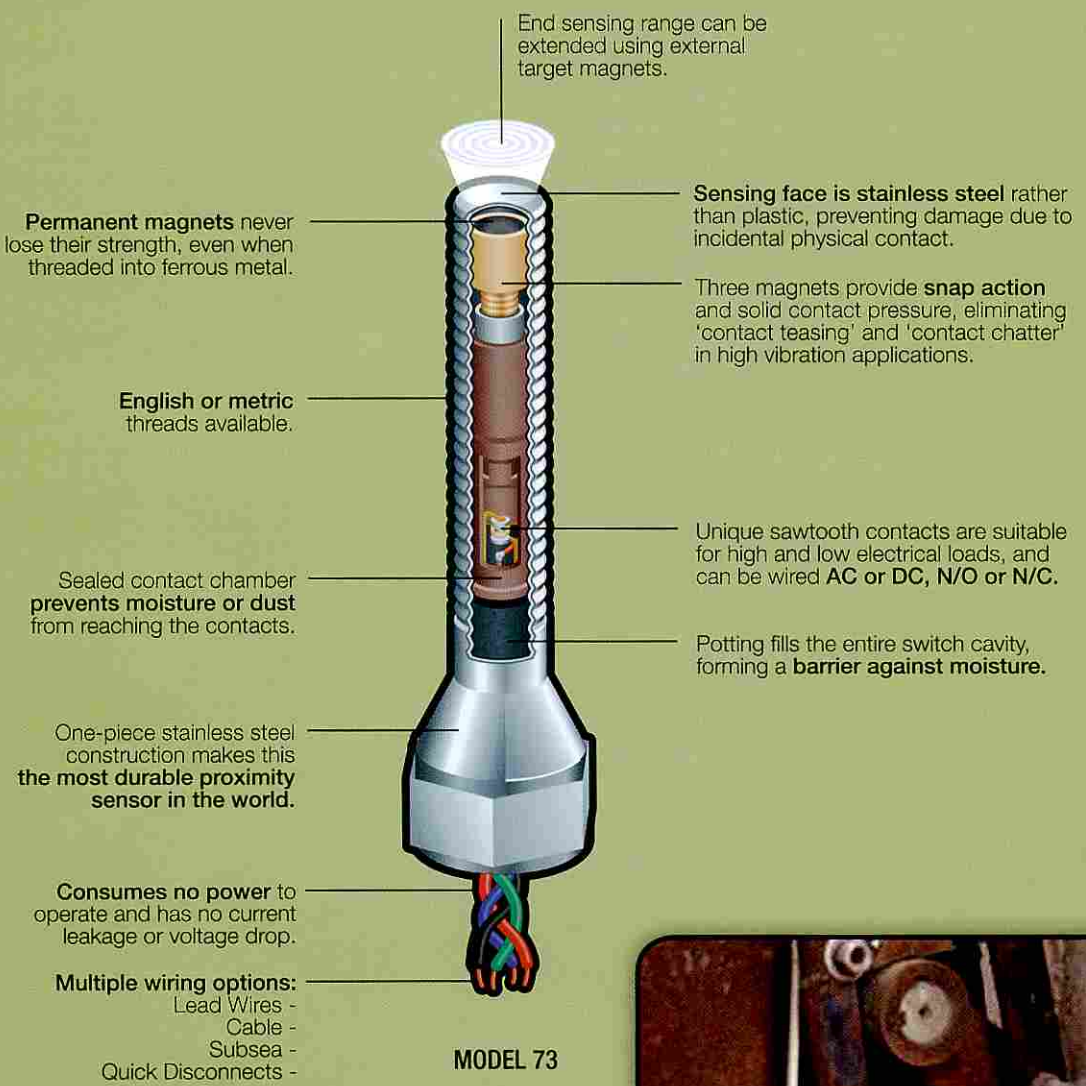
Micro Change Connector (Models 11, 21, 31, 81) (Approval 7 or 8 only; 3 pin is 8 only)
DBA 3 pin
DBD 4 pin
DBG 5 pin

SubSea Connector
(Models 11, 21, 81) (Enclosure 2 or 4 only) (Approval 7 or 8 only; 3 pin is 8 only)
3DD 3 pin
4DD 4 pin
8DD 8 pin (Model 81 only)
3DE 3 pin 90°
4DE 4 pin 90°

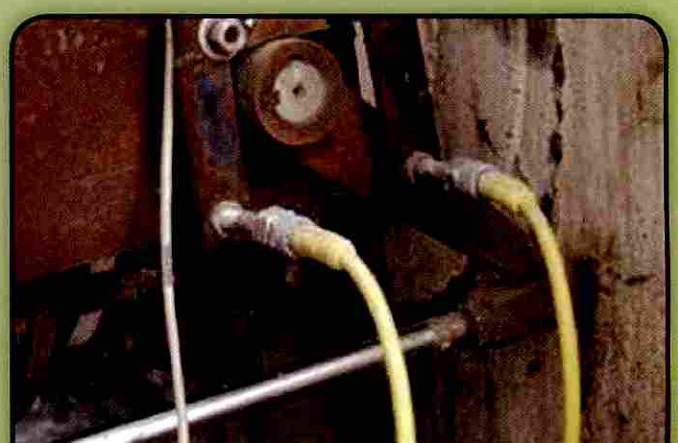
Hi-Temp™ Leads (Teflon insulated) 18 Gauge
F2 36"
F3 72"
F4 144"
F_ _ _ Greater than 144" - specify length in 5ft. Increments

GO® SWITCH - ROUND SENSORS
Built to last in the most demanding plant conditions

With their all stainless steel construction, flexible AC/DC, NO/NC, and SPDT/DPDT contact configurations, superior corrosion resistance, and global certifications for all hazardous areas, 70 Series GO Switches outperform inductive proximity sensors in the toughest applications.



MODEL 73



MODELS 71-72

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

71 72

Features
- SPDT contacts rated 4amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- Stainless steel housings
- Inherently Intrinsically Safe
- -40° to 105°C (-40° to 221°F) operating temperature

Options
- Zone 0, 1, or 2 hazardous areas
- 204°C (400°F) high temperature
- Quick disconnect connectors
- English or metric threads

MODELS 7G, 7H & 7L

GO® Switch Models 7G, 7H, and 7i offer hermetic seal or Double Pole Double Throw contact configurations. Model 7L has LEDs for local performance monitoring.

7G 7H 7L

Features
- SPDT or DPDT contacts rated 4amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- 250mA/120VAC, 24VDC.
- Stainless steel housings
- Inherently Intrinsically Safe
- -40° to 105°C (-40° to 221°F) operating temperature

Options
- Zone 0, 1, or 2 hazardous areas
- 204°C (400°F) high temperature
- Quick disconnect connectors
- Hermetically sealed contacts
- English or metric threads

"Over the years, I have seen GO Switches take crushing blows from large falling rocks in the cement industry and still function flawlessly."
- **Electrical Engineer,** US Cement Factory

"GO Switch is the only dependable switch we use."
- **Project Engineer,** Gulf Coast Chemical Plant

MODELS 73-77

The GO® Switch Model 73 is our most popular leverless limit switch.

Its solid stainless steel construction and global certifications make it the ideal choice for a variety of applications. Model 74 is the same, without the conduit hub. Models 75, 76, and 77 are longer, with more thread surface and adjustability.

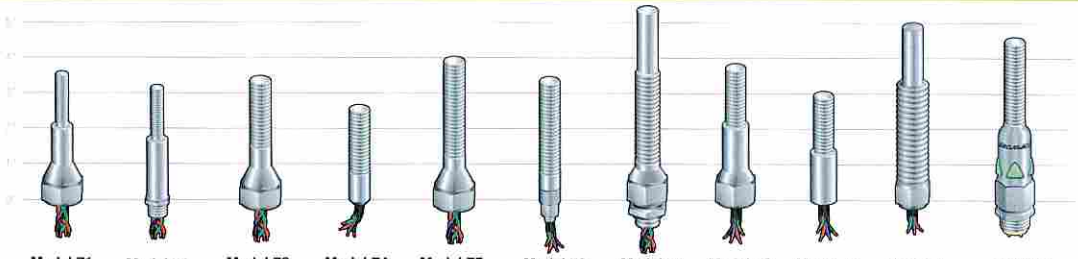
73 74 75 76 77

Features
- SPDT contacts rated 4amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- Stainless steel housings
- Inherently Intrinsically Safe
- -40° to 105°C (-40° to 221°F) operating temperature

Options
- Zone 0, 1, or 2 hazardous areas
- 204°C (400°F) high temperature
- Quick disconnect connectors
- Underwater capabilities
- English or metric threads

GO® SWITCH ORDERING GUIDE - ROUND SENSORS

Choose one option from each category to build a complete model number.



Model 71 3/8" diameter | **Model 72** 3/8" diameter | **Model 73** 5/8" diameter | **Model 74** 5/8" diameter | **Model 75** Long Threads | **Model 76** Long Threads | **Model 77** Long Body | **Model 7G** DPDT | **Model 7H** DPDT | **Model 7I** DPDT | **Model 7L** BriteLite LEDs

Model

- **71** 3/8" x 3 15/16" - 1/2" NPT conduit
- **72** 3/8" x 3 3/8" - No conduit
- ✓ **73** 5/8" x 3 5/8" - 1/2 NPT conduit
- **74** 5/8" x 2 3/4" - No conduit
- **75** 5/8" x 4 5/16" - 1/2" NPT conduit
- **76** 5/8" x 3 3/16" - No conduit
- **77** 3/4" x 5 13/16" - 1/2" NPT conduit
- **7G** 5/8" x 4" - 1/2" NPT conduit
- **7H** 5/8" x 3 1/4" - No conduit
- **7LG** 5/8" x 4 3/4" - NPT conduit
- **7LR** 5/8" x 4 3/4" - NPT conduit

Note: For metric threads add "M" after first group. Example: 73M-XXXXX-XX
Models 71-72 : 12mm
Models 73-76 : 18mm
Models 7G-7H : 18mm

Nuclear Qualified Proximity Sensors
P7 Nuclear IEEE Mild Duty
N7 Nuclear IEEE Harsh Duty
Q7 Nuclear IEEE Containment
N7 Nuclear CANDU, CANDU6 and Qinshan
(Consult Factory for more information)

Contact Form

- ✓ **1** Single Pole Double Throw (Form C)
- **2** Double Pole Double Throw (Form CC) (Model 7G, 7H only)

Sensing Range

- ✓ **3** Standard sensing - .100" end sensing (Models 73-77, 7G-7H, 7L; Enclosure 2 or 6 only)
- **4** .072" end sensing (Models 73-77, 7G-7H, 7L; Enclosure 3 or 7 only) (Approvals 2, 7 or 8 only) (Approval 3 if enclosure is 7)
- **5** .060" end sensing (Models 73-77 only; Enclosure 4; Approvals 2, 7, or 8 only)
- **6** .040" end sensing (Models 71 & 72 only)

Outlet Position

- ✓ **5** Bottom of enclosure

Ordering Guide
Fill in each box to create a complete model number.

Model	Contact Form	Sensing Range	Outlet Position

Ordering Examples
11-12110-00
81-20524-A2

Denotes *FastTrack Delivery* option most likely to be available for immediate shipment.

GO SWITCH

FastTrack Delivery

73-13523-A2
UL Cl I Div 1 Explosion Proof
3 ft. Lead Wires

73-13524-A2
CSA Cl I Div 1 Explosion Proof
3 ft. Lead Wires

73-13526-A2
Cl I Div 2 Non-Incendive
3 ft. Lead Wires

73-13528-A2
General Purpose
3 ft. Lead Wires

74-13528-B2
General Purpose
3 ft. Cable

74-13528-DBA
General Purpose
Micro connector

7G-13524-A2
Cl I Div 1 Explosion Proof
Hermetic Seal, 3 ft. leads

7G-23528-A2
General Purpose
DPDT, 3 ft. Lead Wires

7G-23526-A2
Cl I Div 2 Non-Incendive
DPDT, 3 ft. Lead Wires

7G-23523-A2
Cl I Div 1 Explosion Proof
DPDT, 3 ft. Lead Wires

7LR-13568-A2
General Purpose
Red LEDs, 3 ft. leads

7LG-13568-A2
General Purpose
Green LEDs, 3 ft. leads

Enclosure Materials

- **2** 303 stainless steel (rated 2,000 psi) (Sensing 3 or 6 only)
- **3** HiPressure - 303 stainless steel (rated 5,000psi) (Models 73-77; Sensing 4; Approval 2, 7, or 8 only)
- **4** HiPressure - 303 stainless steel (rated 10,000 psi) (Models 73-77; Sensing 5; Approval 2, 7, 8 only)
- **6** 316 stainless steel (rated 2,000 psi)
- **7** HiPressure - 303 stainless steel (rated 3,500psi) (Models 73, 75, 77; Sensing 4; Approval 3 only)

Approvals

- **2** HiTemp to 400ºF (Wiring F only)
- **3** UL Cl I Div 1 & 2 Grps A-D; Cl II Div 1 & 2, Grps E-G (Models 71, 73, 75, 77 or 7G only) (Wiring A, B, or F only) (Lead seal required)
- **4** CSA Cl I Div 1; Grps A-D; Cl II Div 1, Grps E-G; Cl III (Models 71, 73, 75, 77 or 7G only) (Wiring A, B, or F only) (Lead seal required)
- **6** CSA Cl I, Div 2; Grps A-D; Cl II, Div 2; Grps E-G; Cl III (Models 71, 73, 75, 77, 7G only) (Wiring A, B, or F only) (Lead seal required)
- **7** CSA certified General Purpose
- **8** UL listed General Purpose
- **T** ATEX Zone 1 EEx d IIC T6 (-20°C to +50°C), II 2G (Models 73 & 7G only) (Contact form 1 only) (-20°C to 50°C with Wiring A & B) (-40°C to 150°C with Wiring H)
- **E** c-UL-us listed Cl I, Div 2: Grps A-D; Cl II Div 2; Grps E-G; Cl III (Models 7LG and 7LR only) (Wiring must be A or B) (Lead seal required)

Wiring Options

Lead Wires - 18 Gauge (7G - 7H = 20 gauge)
- **A2** 36"
- **A3** 72"
- **A4** 144"
- **A_ _ _** Greater than 144" - specify length in 5ft. increments

Cable - 18 Gauge
- **B2** 36"
- **B3** 72"
- **B4** 144"
- **B_ _ _** Greater than 144" - specify length in 5ft. increments

Water Resistant Squeeze Connector (Models 72, 74, 76 only) (Approval 7 or 8 only)
- **C2** 36"
- **C3** 72"
- **C4** 144"
- **C_ _ _** Greater than 144" - specify length in 5ft. increments

Mini Change Connector (Models 71, 73, 75, 77, 7G only) (Approval 7 or 8 only; 3 pin is 8 only)
- **DCA** 3 pin
- **DCD** 4 pin
- **DCG** 5 pin
- **DCH** 7 pin (7G only)

Micro Change Connector (Models 72, 74, 76) (Approval 7 or 8 only; 3 pin is 8 only)
- **DBA** 3 pin
- **DBD** 4 pin

SubSea Connector (Models 73, 75, 77) (Approval 7 or 8 only; 3 pin is 8 only)
- **3DD** 3 pin
- **4DD** 4 pin
- **8DD** 8 pin (7G only)
- **3DE** 3 pin 90º
- **4DE** 4 pin 90º

Hi-Temp™ Leads (Teflon insulated) 18 Gauge (7G - 7H = 20 gauge)
- **F2** 36"
- **F3** 72"
- **F4** 144"
- **F_ _ _** Greater than 144" - specify length in 5ft. Increments

Hi-Temp™ Leads (Peek insulated) (Models 71-77)
- **H2** 36"
- **H3** 72"
- **H4** 144"
- **H_ _ _** Greater than 144" - specify length in 5ft. Increments

GO® SWITCH SPECIALTY SENSORS

Position Sensing Solutions for Process Automation and Factory Automation

HIGH TEMPERATURE POSITION SENSORS

GO® Switch HiTemp™ leverless limit switches are rated for continuous operation in temperatures up to 204°C/400°F. This proves especially useful in automated paint booths and conveyors as well as other high heat applications such as driers, boilers, aluminum processing, steam turbine and valve position monitoring on steam valves.

CYLINDER POSITION SENSORS

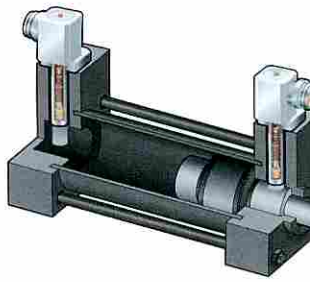
With their stainless steel housings and sensing faces, probe lengths up to 5", high temperature capabilities, and 3,000 psi pressure ratings, Stroke-to-GO® cylinder position sensors deliver the ultimate reliability and durability in cylinder position sensing.

Features

- SPST or SPDT contacts
- AC/DC, NO/NC flexibility
- Stainless steel housings
- 3,000 psi operating pressure
- -40° to 221°F operating temperature

Options

- -40° to 400°F high temperature
- Quick disconnect connector
- Underwater capabilities
- LED position indication



VALVE POSITION SENSORS

35 Series GO® Switches have set the standard for reliable performance in valve position monitors.

With hermetically sealed contacts, low hysteresis, and super resistance to vibration, moisture, contaminants, and temperature extremes, the 35 Series clearly outperforms any other valve monitoring switch or sensor available. When ordering valve position monitors and switchboxes, be sure to specify "GO Switch inside."

Features

- SPDT rated 4amp/120vac and 3amp/24vdc
- Hermetically sealed contacts
- Stainless steel housing available
- DPDT contacts available

NEW!

NEW GO SWITCHES FOR VALVETOP® VALVE CONTROLLERS

Hermetically Sealed
DPDT Contacts
Stainless Steel Housing

7C 7D 7E 7F

UNDERWATER POSITION SENSORS

GO® Switch SubSea™ leverless limit switches are submersible to depths of 7,010m/23,000ft and offer trouble-free position sensing in applications such as offshore oil platforms, lock and dam gates, military hatch doors, ships and vessels, pig detection, pin placement detection, wastewater rendering areas, bilge level, high pressure washdown, and subsea valve position monitoring.

GO® SWITCH POWER PLANT SOLUTIONS

Position Sensing Solutions for the Power Generation Industry

GO® Switches are the ideal solution for troublesome limit switch applications in power plants, including coal and ash handling equipment, soot blowers and wall blowers, dampers, igniters, feedwater heaters, hopper valves, water demineralization valves, and scrubber valves.

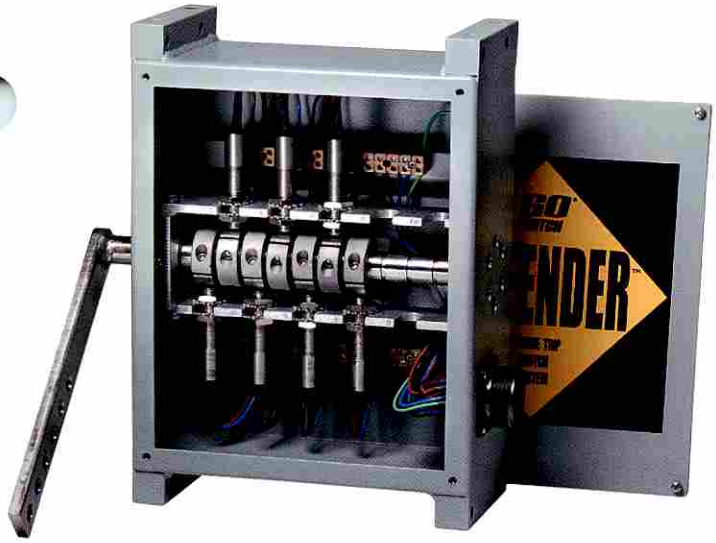
DEFENDER® TURBINE TRIP MONITORS

The Defender provides dependable position monitoring of throttle, governor, intercept, and reheat stop valves.

It is a self-contained, pre-wired system packed with up to ten GO® Switches and is a drop-in replacement for existing limit switches on Westinghouse valves, and is easily adaptable to valves from General Electric and others.

Features

- Easy switch setting
- Switches rated to 400°F/204°C
- Mil spec quick disconnect



TURBINE TRIP SWITCH SYSTEM

NUPROX® NUCLEAR QUALIFIED PROXIMITY SENSORS

NuProx leverless limit switches are ideal replacements for over-sized, over-priced mechanical limit switches in nuclear power generation applications.

Longer life, no-touch sensing, tighter deadband, and better pricing make this a must upgrade for nuclear power facilities.

Features

- Proven GO® Switch technology
- Qualified for containment and balance of plant
- No external moving parts to bend, break, or wear
- No power, contact, or torque required to operate!

P7	N7	Q7
Balance of Plant	CANDU/IEEE Containment	AP 1000 Containment

"The water intakes are trouble free with the 80 Series SubSea GO Switches and the custom bracket TopWorx built."
- **Electrical Engineer,** US Power Plant

"We have been using GO switches for years on our turbine stop valves. They have been bullet proof."
- **System Owner,** Southeastern U.S. Power Plant

TOPWORX

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valvetop GO SWITCH

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