



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



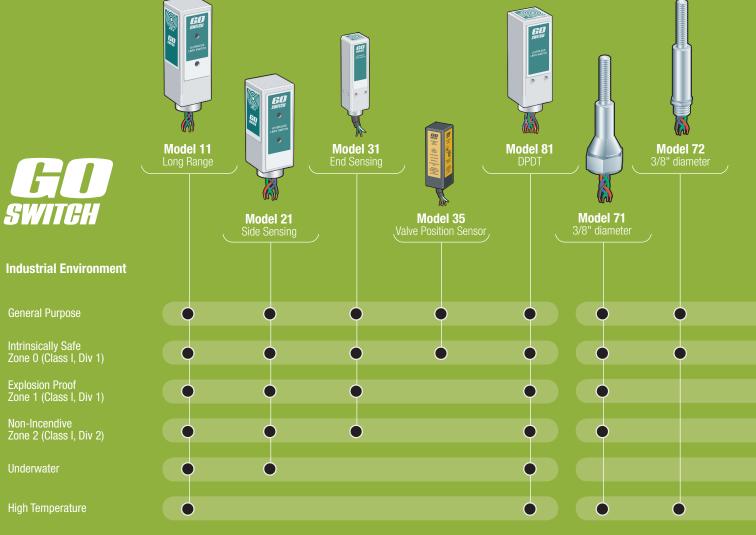


Using a completely unique technology, GO[®] Switches outperform conventional limit switches and proximity sensors in the toughest applications. If your plant conditions are hot, cold, wet, dirty, abusive, corrosive, or explosive, be sure to specify GO[®] Switch leverless limit switches for a long, trouble-free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



GO® Switch Quick Selection Guide





Square Position Sensors

Round Position Sensors

Virtually all GO Switches offer the following features and benefits:

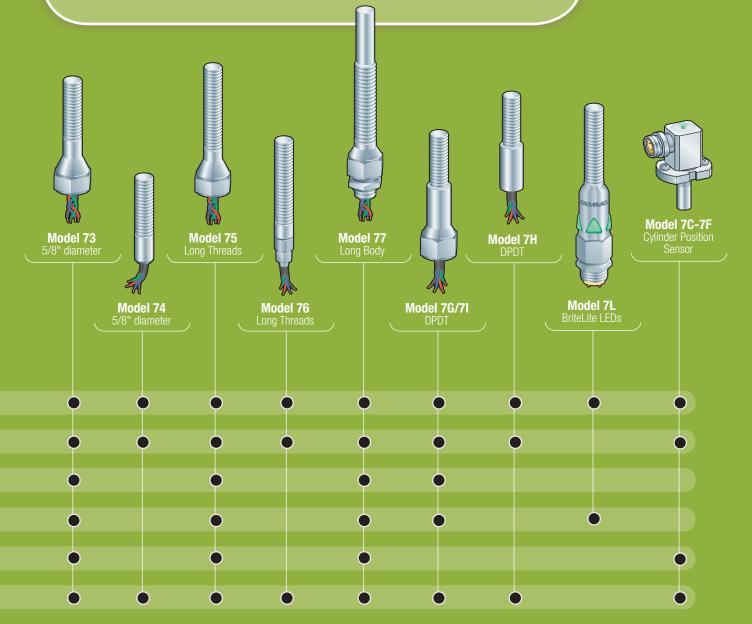
Features

- Proximity triggering with ferrous metal no exposed moving parts
- Immune to electrical noise, weld fields, and radio frequency interference
 - Consume no power to operate
 - Can be wired AC or DC,
- N/O or N/C, in series or parallel All-metal housings with contacts potted
- and sealed from the environment Multiple wiring options, including lead
- wires, cables, quick disconnects, etc.
- A wide variety of hazardous area certifications for Zone 0, 1, and 2
- Operating temperatures ranging from -40°C (-40°F) to204°C (400°F).

Benefits

- Eliminate broken or bent lever arms, poor mechanical alignment, and poor repeatability
- Eliminate electrical problems common to inductive proximity sensors
- Eliminate leakage current and voltage drops
- Flexibility to cover a variety of application needs with fewer part numbers
- Performance is not affected by dust, dirt, moisture, or most caustics, corrosives, or chemicals
- Easy installation and seamless integration into your existing plant wiring standards
- Compliance with intrinsically safe, explosion proof, and non-incendive requirements
- Ability to monitor plant processes in areas too hot or too cold for conventional sensors

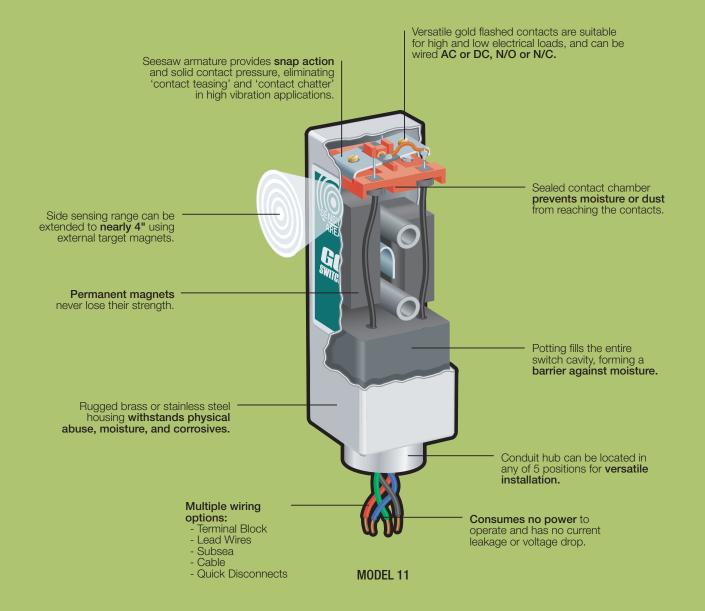




GO[®] **SWITCH - SQUARE SENSORS** Built to last in the most demanding plant conditions

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.







10-20 SERIES

$\mathrm{GO}^{\circledast}$ 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



80 SERIES

81

it is a popular choice around the world.

- SPDT or DPDT contacts rated 10amp/120vac, 3amp/24vdc
- End sensing

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,

- 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



" 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."



NEW 35 SERIES OPTIONS Hermetically Sealed DPDT Contacts Stainless Steel Housing

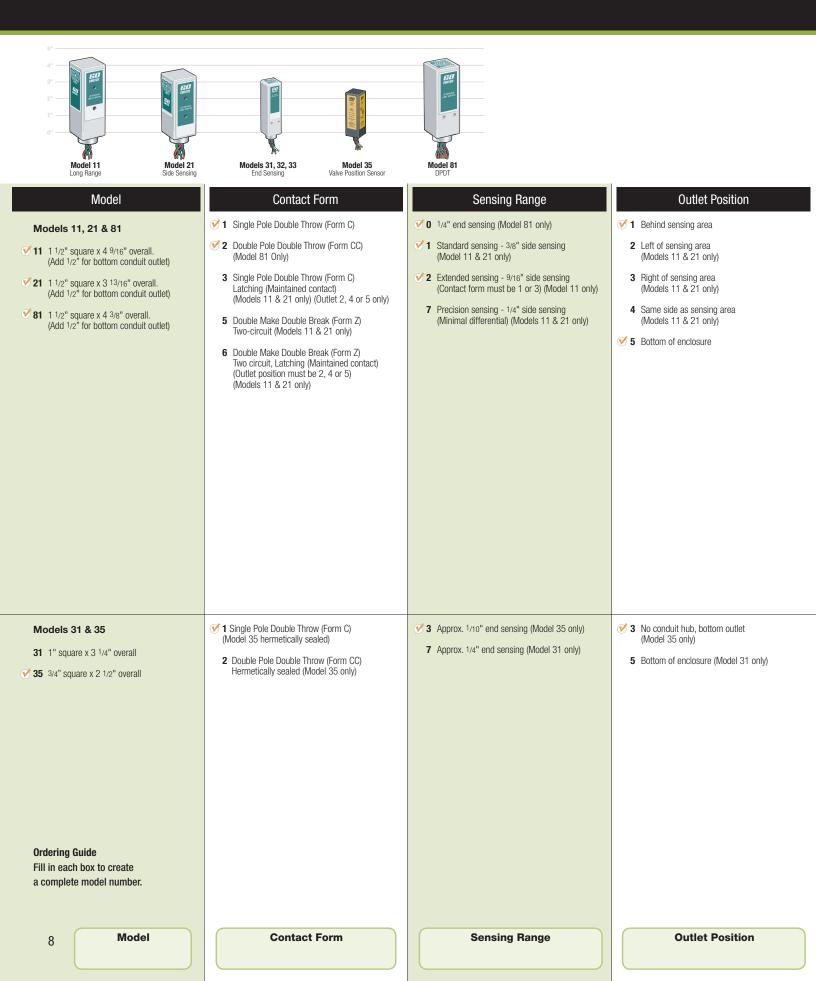
35 Features

- 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

GO® SWITCH ORDERING GUIDE – SQUARE SENSORS Choose one option from each category to build a complete model number.



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

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





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

V

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

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

21-11510-00

Cl I Div 2 Non-Incendive

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

- V 1 Brass with flat black lacquer coating
- V 2 Stainless steel*
 - **3** Brass with corrosion resistant coating
 - 4 Stainless steel with corrosion resistant coating

V 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)

Approvals

- 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)
- 𝒞 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)
- III. 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"
- Δ4 144"
- Α_ Greater than 144" - specify length in 5ft. increments
- Cable 18 Gauge (Model 81 contact form 1 only)
- **B2** 36"
- **B**3 72" 144" **B4**
- **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
- 7 pin (Model 81 only) DCH

Micro Change Connector (Models 11, 21, 31, 81)

- (Approval 7 or 8 only; 3 pin is 8 only)
- DBA 3 pin
- 4 pin DBD
- 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)
- 3 pin 90° 3DE
- 4DE 4 pin 90°

Hi-Temp[™] Leads (Teflon insulated) 18 Gauge

- 36" F2
- 72" F3 F4

144"

F. Greater than 144" - specify length in 5ft. Increments

V 1 Copper - coated with flat black lacquer

4 Stainless steel - corrosion resistant coating

* All-welded stainless steel switches are recommended for wet

2 Stainless steel* (Model 31 only)

(polyurethane)* (Model 31 only)

(Model 35 only)

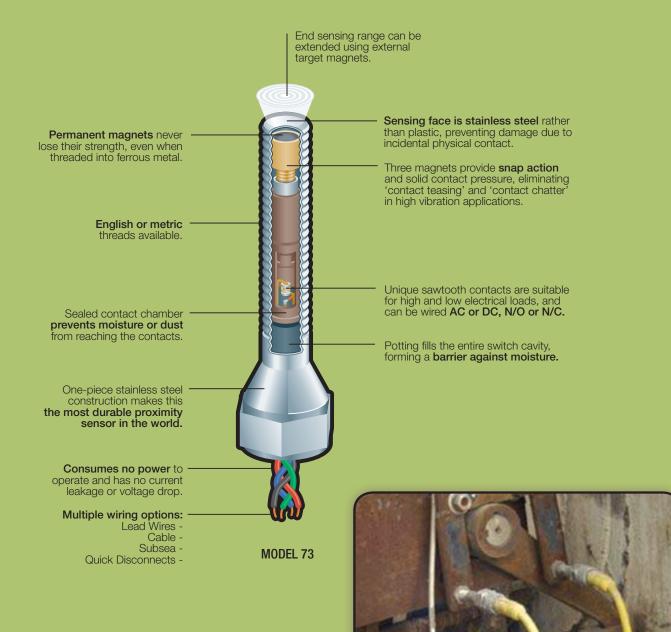
or harsh environments.

Approvals

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.







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.

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.



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



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.



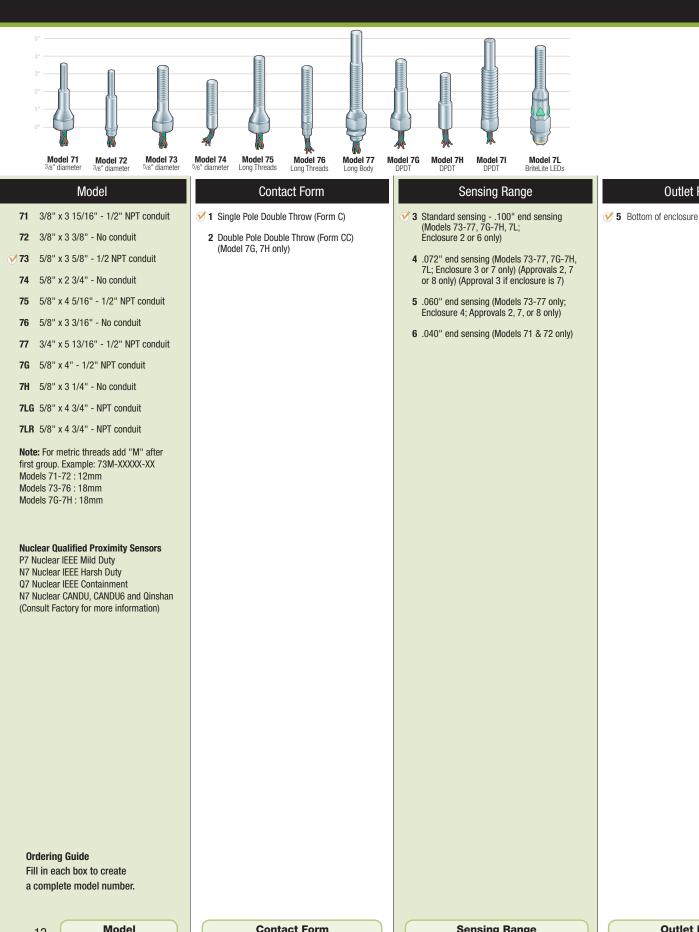
Features

- SPDT contacts rated
 - 4amp/120vac, 3amp/24vdc
- AC/DC, NO/NC flexibility
- Stainless steel housings
- Inherently Intrinsically Safe
 A0% to 105% (100)
- -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.



Outlet Position

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

FastTrack

Delivery

73-13523-A2

3 ft. Lead Wires

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





73-13524-A2

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

74-13528-B2

3 ft. Cable

General Purpose

73-13528-A2 General Purpose UL CI I Div 1 Explosion Proof 3 ft. Lead Wires

CSA CI I Div 1 Explosion Proof 3 ft. Lead Wires

74-13528-DBA General Purpose Micro connector

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

7G-23528-A2

General Purpose

DPDT. 3 ft. Lead Wires

Approvals

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

7G-23523-A2 CI 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

Wiring Options

- Enclosure Materials
- V 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)

2 HiTemp to 400°F (Wiring F only)

- 3 UL CI I Div 1 & 2 Grps A-D; CI II Div 1 & 2, Grps E-G (Models 71, 73, 75, 77 or 7G only) (Wiring A, B, or F only) (Lead seal required)
- V 4 CSA CI I Div 1: Grps A-D: CI II Div 1. Grps E-G: CI III (Models 71, 73, 75, 77 or 7G only) (Wiring A, B, or F only) (Lead seal required)
 - 6 CSA CI I, Div 2; Grps A-D; CI II, Div 2; Grps E-G; CI 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)

Lead Wires - 18 Gauge (7G - 7H = 20 gauge)

- A2 36' 72" A3

A4 144" Greater than 144" - specify length in 5ft. increments Α_

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"
- 144" C4
- **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
- 7 pin (7G only) DCH

Micro Change Connector (Models 72, 74, 76)

- (Approval 7 or 8 only; 3 pin is 8 only)
- DBA 3 pin
- DRD 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 90°
- 4DE 4 pin 90°

Hi-Temp[™] Leads (Teflon insulated) 18 Gauge

- (7G 7H = 20 gauge)36"
- F2 F3
- 72" 144" F4
- F Greater than 144" - specify length in 5ft. Increments

Hi-Temp[™] Leads (Peek insulated) (Models 71-77)

- H2 36"
- 72" H3 H4 144"
- _ Greater than 144" specify length in 5ft. Increments H_{-}