Accessories

Quality-engineered connectors and cordsets make installation and maintenance a snap.

Standard designs are shown, with custom connectors available on special order.

Refer to the Wiring Options portion of each GO Switch Ordering Guide for detailed information.

Micro Change®
Quick Disconnect

22 gauge (3 pin .23" dia.; 4 pin .25 dia.; 5 pin .26 dia.) molded PVC anodized aluminum shell rated 221°F (105°C) 300V

Available on all GO Switches

Water Resistant Squeeze Connector

Stainless steel water resistant strain relief. Approx. 1" (25 mm) in length.

Available on GO Switch Models 72, 74, 76, 7C, 7D, 7E and 7F

High Pressure Right Angle
SubSea Quick Disconnect

Overall length of connector is 2.85" (72 mm) X .65" (17 mm).

Available on 10, 20, 70, and 80 Series GO Switches

Mini Change®
Quick Disconnect

16 gauge (3 pin .41" dia.; 4 pin .44" dia.; 5 pin .52" dia.; 7 pin .54 dia.) molded PVC anodized aluminum shell rated 221°F (105°C) 600V

Available on all GO Switches

High Pressure
SubSea Quick Disconnect

Molded Neoprene™ Quick Disconnect with Delrin™ lock-sleeves. Provides water-tight seal, safety and quick change-out. Overall length of connector is 2.9" (74 mm) X 1.23" (31 mm) dia.

Available on 10, 20, 70, 80 Series and Stroke to GO Switches

New!

Connection Heads by Minco Products, Inc.

TopWorx offers connection heads from Minco Products, Inc. suitable for use with any GO Switch. There are three base models available. A 4, 4X rated aluminum with epoxy coating, a 316 stainless steel version, and an aluminum with epoxy coating certified EEx d llc Zone 1.

These units are being offered as an accessory to our GO Switch product line, but may also be certified as an assembly under a special quote number.

Consult factory for details.

Mini-Change® Cordsets

A-ECA	3 - Pin, 3 ft. (914 mm)
A-ECA-90	3 - Pin, 3 ft. 90° (914 mm)
A-ECB	3 - Pin, 6 ft. (1829 mm)
A-ECB-90	3 - Pin, 6 ft. 90° (1829 mm)
A-ECC	3 - Pin, 12 ft. (3658 mm)
A-ECC-90	3 - Pin, 12 ft. 90° (3658 mm)
A-ECU	3 - Pin, 20 ft. (6096 mm)
A-ECV	3 - Pin, 30 ft. (9144 mm)
A-ECD	4 - Pin, 3 ft. (914 mm)
A-ECE	4 - Pin, 6 ft. (1829 mm)
A-ECF	4 - Pin, 12 ft. (3658 mm)
A-ECW	4 - Pin, 20 ft. (6096 mm)
A-ECX	4 - Pin, 30 ft. (9144 mm)
A-ECG	5 - Pin, 3 ft. (914 mm)
A-ECT	5 - Pin, 6 ft. (1829 mm)
A-ECL	5 - Pin, 12 ft. (3658 mm)
A-ECY	5 - Pin, 20 ft. (6096 mm)
A-ECZ	5 - Pin, 30 ft. (9144 mm)
A-ECH	7 - Pin, 3 ft. (914 mm)
A-ECJ	7 - Pin, 6 ft. (1829 mm)
A-ECK	7 - Pin, 12 ft. (3658 mm)
A-EFA	7 - Pin, 20 ft. (6096mm)
A-EFB	7 - Pin, 30 ft. (9144mm)

SubSea™ Underwater Cordsets

(Specify length of cable (ft.) required.)
(e.g. 3ED20 = 3 pin and 20 ft. of cable)

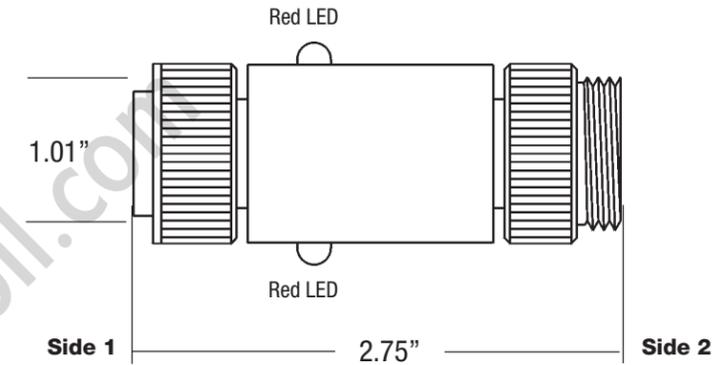|	
A-3ED_ _	3 pin female connector with Delrin™ lock sleeve and minimum 12 ft. (610 mm) of 16 gauge (3 pin .395" dia.) SO cable rated 194°F (90°C) 600V (certified not to leak underwater)
A-4ED_ _	4 pin female connector with Delrin™ lock sleeve and minimum 12 ft. (610 mm) of 16 gauge (4 pin .425" dia.) SO cable rated 194°F (90°C) 600V (certified not to leak underwater)
A-8ED_ _	8 pin female connector with Delrin™ lock sleeve and minimum 12 ft. (610 mm) of 16 gauge (8 pin .645" dia.) SO cable rated 194°F (90°C) 600V (certified not to leak underwater)
A-3EE_ _	3 pin right angle female connector with minimum 12 ft. (610 mm) of 16 gauge (3 pin .395" dia) SO cable rated 194°F (90°C) 600V (certified not to leak underwater)
A-4EE_ _	4 pin right angle female connector with minimum 12 ft. (610 mm) of 16 gauge (4 pin .425" dia) SO cable rated 194°F (90°C) 600V (certified not to leak underwater)

Micro-Change® Cordsets

A-EBB	3 - Pin, 6 ft. (1829 mm)
A-EBC	3 - Pin, 12 ft. (3658 mm)
A-EBU	3 - Pin, 20 ft. (6096 mm)
A-EBV	3 - Pin, 30 ft. (9144 mm)
A-EBE	4 - Pin, 6 ft. (1829 mm)
A-EBF	4 - Pin, 12 ft. (3658 mm)
A-EBW	4 - Pin, 20 ft. (6096 mm)
A-EBX	4 - Pin, 30 ft. (9144 mm)
A-EBT	5 - Pin, 6 ft. (1829 mm)
A-EBL	5 - Pin, 12 ft. (3658 mm)
A-EBY	5 - Pin, 20 ft. (6096 mm)
A-EBZ	5 - Pin, 30 ft. (9144 mm)

Class I Div 2 Quick Disconnect Guard   **New!**

NXS-4101 Guard fits all molded mini-change cordsets. Prevents against mechanical separation of male/female connectors and is **suitable for use in CI I Div 2 applications.**

Watertight Cable Gland   **New!**

A-GLD1	3 or 4 conductor SO cable
A-GLD2	3 or 4 conductor PVC cable

Plastic cable gland is easy to install on any stainless steel GO Switch with a 1/2" conduit hub using the "B" cable termination option. It provides a water-tight seal rated to IP 68 - 5 bar (comparable to NEMA 6) and is an excellent way of protecting all GO Switches in wet environments. Not suitable for use with conduit.

Aura™ Light Adapter

The Aura Light Adapter provides LED position confirmation on any N/O GO Switch using a 3, 4, or 5 pin Mini-Change connector.

Dimensions

Red LED

1.01"

Red LED

Side 1 — 2.75" — **Side 2**

Model
LED Adapter Module
ALA1 Aura Light Adapter for one contact (requires a load)

Control Arrangement
R (2) Red LEDs for normally open (N/O) output
G (2) Green LEDs for normally open (N/O) output

Connector
3 3-pin Mini-Change type connector
4 4-pin Mini-Change type connector
5 5-pin Mini-Change type connector

Options
0 None
1 Contact Wash Circuit

3-Pin

PIN 1 - COM
PIN 2 - NOT USED
PIN 3 - N/O

4-Pin

PIN 1 - COM
PIN 2 - N/O
PIN 3 - NOT USED
PIN 4 - GND

5-Pin

PIN 1 - N/O
PIN 2 - NOT USED
PIN 3 - GND
PIN 4 - NOT USED
PIN 5 - COM

Ordering Guide

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

Model	Control Arrangement	Connector	Options
ALA			

Target Magnets
Increase the Sensing Range of GO Switches

AMP3 Magnet/Resin Cover

AMC3 magnet in plastic molded bracket with mounting holes. 7/8" (22 mm) x 2 9/16" (65 mm) x 17/32" (13 mm) thick with 7/32" (6 mm) holes.

For all GO Switches

AMS4 Magnet/Stainless Cover

AMC4 magnet molded into stainless steel cover, with mounting holes. 11/4" (32 mm) x 1 7/16" (37 mm) x 1" (25 mm) thick with 3/16" (5 mm) holes.

For all GO Switches

AMC5 Magnet/
Stainless Cover

AMC1 magnet molded into stainless cover with mounting holes. 7/8" (22 mm) x 2 9/16" (65 mm) x 17/32" (13 mm) thick with 7/32" (6 mm) holes.

For all square GO Switches

AMS7 Magnet/Stainless
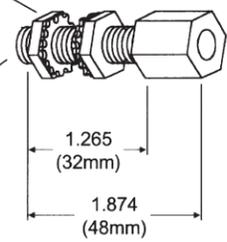
Magnet assembly. 2" (50 mm) x 1/2" (13mm) 7/16-20 UNC threads.

For 70 Series GO Switches

2 NUTS & LOCKWASHERS PROVIDED

7/16-20 UNF

1.265 (32mm)

1.874 (48mm)

AMF6 Magnet
(Machinable)

Flexible sensing amplifier/external magnet. 3" (76 mm) x 12" (305 mm) x 3/8" (10 mm) thick.

For all square GO Switches

Refer to individual GO Switch models for extended sensing ranges with external target magnets.

Standard mounting brackets are available to cover most GO Switch installations. They are designed to provide secure installation without interfering with the operation of the switch.

Item	Part Number & Description
Heavy Duty Mounting Bracket Side mount bracket for 10 Series GO Switches	**ABS2** 3" (76mm) x 3 1/4" (82mm) x 1/8" (3mm) thick stainless steel
Universal Mounting Bracket for 10/20 Series Universal mounting bracket for 10 Series and 20 Series GO Switches	**ABS3** 6" (152mm) x 1-1/2" (38mm) x 3/16" (5mm) stainless steel
Combination Cover Plate and Mounting Bracket Bottom mount for 10 or 20 Series GO Switches	**ABB4** 3" (76mm) x 1-1/2" (38mm) x 1/8" (3mm) thick brass **ABS5** 3" (76mm) x 1-1/2" (38mm) x 1/8" (3mm) thick stainless steel
Universal Mounting Bracket for 80 Series Side mount bracket adapts 80 Series GO Switches for rotary valve position indication	**ABS6** 10 gauge (.134") type 304 stainless steel
Strap Bracket Strap brackets for 30 Series GO Switches	**ABS7** 1" (25mm) wide x .050" thick stainless steel for Model 31, 32, & 33 GO Switches **ABS11** 3/4" (19mm) x 3/4" (19mm) x .030" thick stainless steel for Model 35 GO Switches
Heavy Duty "L" Mounting Bracket "L" bracket for 70 Series Model 73, 74, 75, 76 & 7G GO Switches	**ABS9** 1-1/4" (32mm) wide. 11 gauge (.120") thick non-magnetic stainless steel

Item	Part Number & Description
Cover Plates Cover plate for 10 and 20 Series GO Switches. Bottom mount cover plate/conduit for 10 and 20 Series GO Switches. Furnished with gasket and screws	**AHB1** Brass; 1-1/2" (38mm) x 1-1/2" (38mm) x 1/8" (3mm) **AHS2** Stainless steel; 1-1/2" (38mm) x 1-1/2" (38mm) x 1/8" (3mm) **AHB3** Brass; 1-1/2" (38mm) x 1-1/2" (38mm) x 1/8" (3mm)
Jam Nuts Nickel plated brass jam nuts for 70 Series GO Switches	**AHS7** (2) 3/8" nickel plated brass for Model 71 and 72 GO Switches **AHS8** (2) 5/8" nickel plated brass for Model 73-76, 7G and 7H GO Switches **AHS18** (2) 5/8" stainless steel for Model 73-76, 7G and 7H GO Switches **AHS9** (2) 3/4" stainless steel for Model 77 GO Switches **AHS16** (2) 1" nickel plated brass for Model 7I GO Switches
Parker Seal Nut and Washer ThredSeal Kits for 70 Series GO Switches. Zinc plated steel with nitrile rubber (standard) or Viton (hi-temp or hydraulic fluids detergent) washer	**AHS13** 3/8" zinc plated steel for Model 71 and 72 GO Switches **AHS14** 5/8" zinc plated steel for Model 73-76, 7G & 7H GO Switches **AHS19** 5/8" Viton for Model 73-76, 7G & 7H GO Switches **AHS15** 3/4" zinc plated steel for Model 77 GO Switches **AHS20** 3/4" Viton for Model 77 GO Switches **AHS17** 1" zinc plated steel for Model 7I GO Switches
Sealant Tape Grafoil sealant tape for 70 Series GO Switches. Forms a leak-tight temperature-stable joint. Recommended for high pressure and/or high temperature	**AHF16** .005" x 24"

Over the years, customers have asked us to mount our GO Switch leverless limit switches to just about every type and brand of valve and actuator on the planet.

As a result, TopWorx has amassed over 1,200 different mounting kit designs.
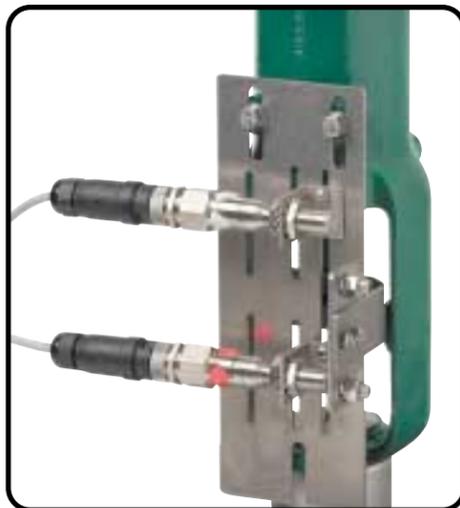
So whether your valve application is rotary or linear, NAMUR or non-NAMUR, in production or obsolete, TopWorx is sure to have a mounting kit that fits your need.

Valve and Actuator Manufacturers

Annin	Foxboro	Pacific Valves
Apollo	General Torque	Parker Hydropower
Autoclave	General Valve Company	Pliaxseal
Automax	Grinnel Corporation	Posi-Seal
Axelson	Hills McCanna	Pratt, Henry
Badger Meter	Honeywell	Ramcon
Bettis	Hycon Actuators	Raymond Control Systems
Bray	Hytork	(RCS)
Brooks	ITT Compactorque	Remote Control
BV&B Valves	ITT Engineered Valves	Research Control Valves
Cameron	ITT Grinnell	Rockwell, McCannaseal
Centerline	ITT Barten	Rockwell, Ramcon
Century	Jamesbury	Rotork
Clarkson	Kamyr	Saunders Valve
CompacTorque	Keystone	Schuf Valve
Conbraco	Kieley & Mueller	Serk-Audco
Contromatics	Kinetrol	Shafer Actuators
Cooper Valve	KTM-General Torque	SVF
CPV Mfg.	LeDeen Actuators	Taylor Instrument
Dahl, G. W.	Limitorque	TK Valve
Demco	Magnetrol	Tork-Pak
DeZurik	Marpac	Tufline
Dover	Masoneilan-Dresser	Unitorq
Dresser	Mastergear Gear Operators	Valtek
Durco	Matryx	Velan
Dynatorque	McCannaseal	Walworth
Elliott, Kenneth	Mercoid Liquid Level	Watts Regulator
El-O-Matic	Controls	Whitey Valves & Actuators
Exeeco Gear Operators	Metrodyne	WKM Dynaseal Actuators
Fabri Valve	Morin Actuators	Worcester Controls
Fisher Controls	Neles Automation	Xomox
Flexible Valve Company	Orbit Valve	

Knifegate Valves

Control Valves

NAMUR Mounting Kits

The vast majority of rack and pinion valve actuators come with an ISO/NAMUR mounting pattern. This worldwide standard provides a consistent bolt pattern and shaft height regardless of the actuator brand. As a result, there is less need for expensive, custom made mounting kits, making it easier and less expensive to mount topworks accessories.

TopWorx offers several cast aluminum and stainless steel mounting kits that make it easy to attach GO Switch 70 Series switches to rack and pinion actuators.

Custom (Non-NAMUR) Mounting Kits

Rotary valve actuators that do not use the ISO/NAMUR standard, such as scotch-yoke or vane actuators, require custom designed mounting kits to attach GO Switches.

This can be a complex procedure that should not be overlooked by the end user. Since there are no standards, it is more difficult to ensure the proper fit and function of brackets, and consequently the automated valve system itself.

TopWorx has a team of designers experienced at solving this problem, making it easy to mount GO Switch products to scotch-yoke and vane actuators. With an existing library of over 1,200 different designs, there is probably already a design ready for your application.

Note: TopWorx custom mounting kits are always made of heavy-gauge stainless steel, ensuring the proper amount of support in the field.

Linear Valve Mounting Kits

Linear valves, such as control valves, globe valves, knifegate valves, or diaphragm valves, do not conform to any standard mounting patterns. Therefore, custom designed mounting kits are necessary to attach GO Switches.

Since TopWorx has been mounting GO Switch leverless limit switches onto linear valves and actuators for several decades, there is probably already a design ready for your application - if not, we will create one.