

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

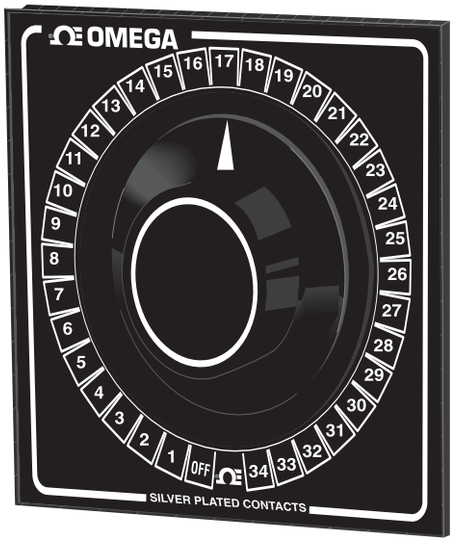
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

1 YEAR WARRANTY

MADE IN USA

User's Guide



SW14 SERIES
1/4 DIN
96 x 96 mm (3.78")



OSW SERIES
76 x 76 mm (3.0")
127 x 127 mm (5.0")

Shop online at

omega.com®

OMEGA®

omega.com
e-mail: info@omega.com
For latest product manuals:
omegamanual.info

ISO 9001 CERTIFIED CORPORATE QUALITY
STAMFORD, CT

ISO 9001 CERTIFIED CORPORATE QUALITY
MANCHESTER, UK

SW14 ¼ DIN Series and OSW Series
Rotary Selector Switches

omega.com®

OMEGA®

OMEGAnet® On-Line Service omega.com	Internet e-mail info@omega.com

Servicing North America:

U.S.A.:
ISO 9001 Certified

OMEGA Engineering, Inc.
One Omega Drive
P.O. Box 4047
Stamford, CT 06907-0047 USA
Toll-Free: 1-800-826-6342 TEL: (203) 359-1660
FAX: (203) 359-7700 e-mail: info@omega.com

Canada:
976 Bergar
Laval (Quebec)
Canada H7L 5A1
Toll-Free: 1-800-826-6342 TEL: (514) 856-6928
FAX: (514) 856-6886 e-mail: info@omega.c

For immediate technical or application assistance:

U.S.A. and Canada:
Sales Service:
1-800-826-6342/1-800-TC-OMEGA®
Customer Service:
1-800-622-2378/1-800-622-BEST®
Engineering Service:
1-800-872-9436/1-800-USA-WHEN®

Mexico:
En Español: 001 (203) 359-7803
FAX: (001) 203-359-7807
info@omega.com.mx
e-mail: espanol@omega.com

Servicing Europe:

Benelux:
Managed by the United Kingdom Office
Toll-Free: 0800 099 3344 TEL: +31 20 347 21 21
FAX: +31 20 643 46 43 e-mail: sales@omega.nl

Czech Republic:
Frystatska 184
733 01 Karviná, Czech Republic
Toll-Free: 0800-1-66342 TEL: +420-59-6311899
FAX: +420-59-6311114 e-mail: info@omegashop.cz

France:
Managed by the United Kingdom Office
Toll-Free: 0800 466 342 TEL: +33 (0) 161 37 29 00
FAX: +33 (0) 130 57 54 27 e-mail: sales@omega.fr

Germany/Austria:
Daimlerstrasse 26
D-75392 Deckenpfronn, Germany
Toll-Free: 0 800 6397678 TEL: +49 (0) 7059 9398-0
FAX: +49 (0) 7056 9398-29 e-mail: info@omega.de

United Kingdom:
ISO 9001 Certified

OMEGA Engineering Ltd.
One Omega Drive
River Bend Technology Centre
Northbank , Irlam, Manchester M44 5BD England
Toll-Free: 0800-488-488 TEL: +44 (0)161 777-6611
FAX: +44 (0)161 777-6622 e-mail: sales@omega.co.uk

It is the policy of OMEGA Engineering, Inc. to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

WARNING: These products are not designed for use in, and should not be used for, human applications.

RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

OMEGA is a registered trademark of OMEGA ENGINEERING, INC.

© Copyright 2009 OMEGA ENGINEERING, INC. All rights reserved. This document may not be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without the prior written consent of OMEGA ENGINEERING, INC.

Unpacking

Remove the Packing List and verify that you have received all equipment. If you have any questions about the shipment, please call the OMEGA Customer Service Department at:

1-800-622-2378 or 1-203-359-1660. We can also be reached on the Internet at **omega.com**
e-mail: info@omega.com

When you receive the shipment, inspect the container and equipment for signs of damage. Note of any evidence of rough handling in transit. Immediately report any damage to the shipping agent.

NOTE

The carrier will not honor any claims unless all shipping material is saved for their examination. After examining and removing contents, save packing material in event reshipment is necessary.

The following items are supplied in the box:

- Rotary Selector Switch
- Mounting Hardware (hex nuts, lock washers, flat washers)
- Terminal Screws
- Terminal Washers
- Template
- Extension Bezel
- User's Guide

TABLE OF CONTENTS

SW14 1/4 DIN Series and OSW Series Rotary Selector Switches

SW14 Series

Page

Section 1 SW14 Series Introduction 1.1

Section 2 SW14 Series Wiring 2.1

Section 3 SW14 Series Mounting 3.1

Section 4 SW14 Series Specifications 4.1

OSW Series

Section 5 OSW Series Introduction 5.1

Section 6 OSW Series Wiring 6.1

Section 7 OSW Series Mounting 7.1

Section 8 OSW Series Specifications 8.1

1 SW14 Series Introduction

1.1 General Description

The SW14 Series rotary selector switches are designed to provide isothermal, low-resistance switching in your temperature measuring circuits. The isothermal design minimizes temperature gradients between the input and the output thermocouple wiring to avoid the generation of thermal EMF's that add error to your thermocouple temperature measuring circuits. Temperature-sensitive resistance transducers such as RTD's and thermistors can be switched with confidence, knowing that the low contact resistance will not add any appreciable error to the measurement.

The SW14 models are 1/4DIN size and offer 2 to 34 positions in two, three or four-pole versions.

The SW14 selector switch can be mounted into an existing 1/4 DIN panel cutout.

To allow matching of a readout device in all switch positions, the "off" position of each switch may be shorted or left as an open circuit. Each pole is fully isolated. For quick and easy wiring, the terminals located at the rear of the switch are clearly marked.

All switches are available with the standard round knob, or a pistol-grip handle, and gold or silver plated contacts.

SW14 Series Switch Selection Guide

Number of Poles	Number of Positions	Contact Action			
		Make Before Break		Break Before Make	
		Silver-Plated Contacts Model Number	Gold-Plated Contacts Model Number	Silver-Plated Contacts Model Number	Gold-Plated Contacts Model Number
2	2	SW142-2-M	SW14G-2-M	SW142-2-B	SW14G-2-B
	4	SW142-4-M	SW14G-4-M	SW142-4-B	SW14G-4-B
	6	SW142-6-M	SW14G-6-M	SW142-6-B	SW14G-6-B
	8	SW142-8-M	SW14G-8-M	SW142-8-B	SW14G-8-B
	10	SW142-10-M	SW14G-10-M	SW142-10-B	SW14G-10-B
	12	SW142-12-M	SW14G-12-M	SW142-12-B	SW14G-12-B
	16	SW142-16-M	SW14G-16-M	SW142-16-B	SW14G-16-B
	18	SW142-18-M	SW14G-18-M	SW142-18-B	SW14G-18-B
	20	SW142-20-M	SW14G-20-M	SW142-20-B	SW14G-20-B
	24	SW142-24-M	SW14G-24-M	SW142-24-B	SW14G-24-B
	30	SW142-30-M	SW14G-30-M	SW142-30-B	SW14G-30-B
	34	SW142-34-M	SW14G-34-M	SW142-34-B	SW14G-34-B
3	2	SW143-2-M	SW14G3-2-M	SW143-2-B	SW14G3-2-B
	4	SW143-4-M	SW14G3-4-M	SW143-4-B	SW14G3-4-B
	6	SW143-6-M	SW14G3-6-M	SW143-6-B	SW14G3-6-B
	8	SW143-8-M	SW14G3-8-M	SW143-8-B	SW14G3-8-B
	10	SW143-10-M	SW14G3-10-M	SW143-10-B	SW14G3-10-B
	12	SW143-12-M	SW14G3-12-M	SW143-12-B	SW14G3-12-B
	16	SW143-16-M	SW14G3-16-M	SW143-16-B	SW14G3-16-B
	18	SW143-18-M	SW14G3-18-M	SW143-18-B	SW14G3-18-B
	20	SW143-20-M	SW14G3-20-M	SW143-20-B	SW14G3-20-B
	24	SW143-24-M	SW14G3-24-M	SW143-24-B	SW14G3-24-B
	30	SW143-30-M	SW14G3-30-M	SW143-30-B	SW14G3-30-B
	34	SW143-34-M	SW14G3-34-M	SW143-34-B	SW14G3-34-B
4	2	SW144-2-M	SW14G4-2-M	SW144-2-B	SW14G4-2-B
	4	SW144-4-M	SW14G4-4-M	SW144-4-B	SW14G4-4-B
	6	SW144-6-M	SW14G4-6-M	SW144-6-B	SW14G4-6-B
	8	SW144-8-M	SW14G4-8-M	SW144-8-B	SW14G4-8-B
	10	SW144-10-M	SW14G4-10-M	SW144-10-B	SW14G4-10-B
	12	SW144-12-M	SW14G4-12-M	SW144-12-B	SW14G4-12-B
	16	SW144-16-M	SW14G4-16-M	SW144-16-B	SW14G4-16-B
	18	SW144-18-M	SW14G4-18-M	SW144-18-B	SW14G4-18-B
	20	SW144-20-M	SW14G4-20-M	SW144-20-B	SW14G4-20-B
	24	SW144-24-M	SW14G4-24-M	SW144-24-B	SW14G4-24-B
	30	SW144-30-M	SW14G4-30-M	SW144-30-B	SW14G4-30-B
	34	SW144-34-M	SW14G4-34-M	SW144-34-B	SW14G4-34-B

*To order with optional pistol grip handle add suffix '-**PG**' to model number.*

2 SW14 Series Wiring Procedure

2.1 Wiring Procedure

When a switch is used for thermocouple circuitry, it is important that the switch terminals are in a uniform temperature environment. For example, cool or hot air drafts should be avoided. Environmental temperature gradients can introduce errors in thermocouple readings in spite of the switch's isothermal design.

The switch input wiring connections are housed in a circular base unit defined as a single pole. Standard pole configurations consist of two, three, or four poles. The end user determines which pole is "+" and "-". The terminal at the "contact rings" is used to connect to the readout instrument.

Connect the inputs to each pole while maintaining a uniform color code. Thermocouple circuits use red for the negative, and in RTD circuits, red indicates positive. It does not matter which terminals are used as long as the output is wired in the same manner as the input. As the selector is rotated, each pole will be connected in turn to the output without crossing the circuit wires.

The quick wire ring acts to guide the stripped lead directly under the head of the terminal screws. At that point the screw can be Lowered t fasten the wire securely (see diagram, page 2-2).

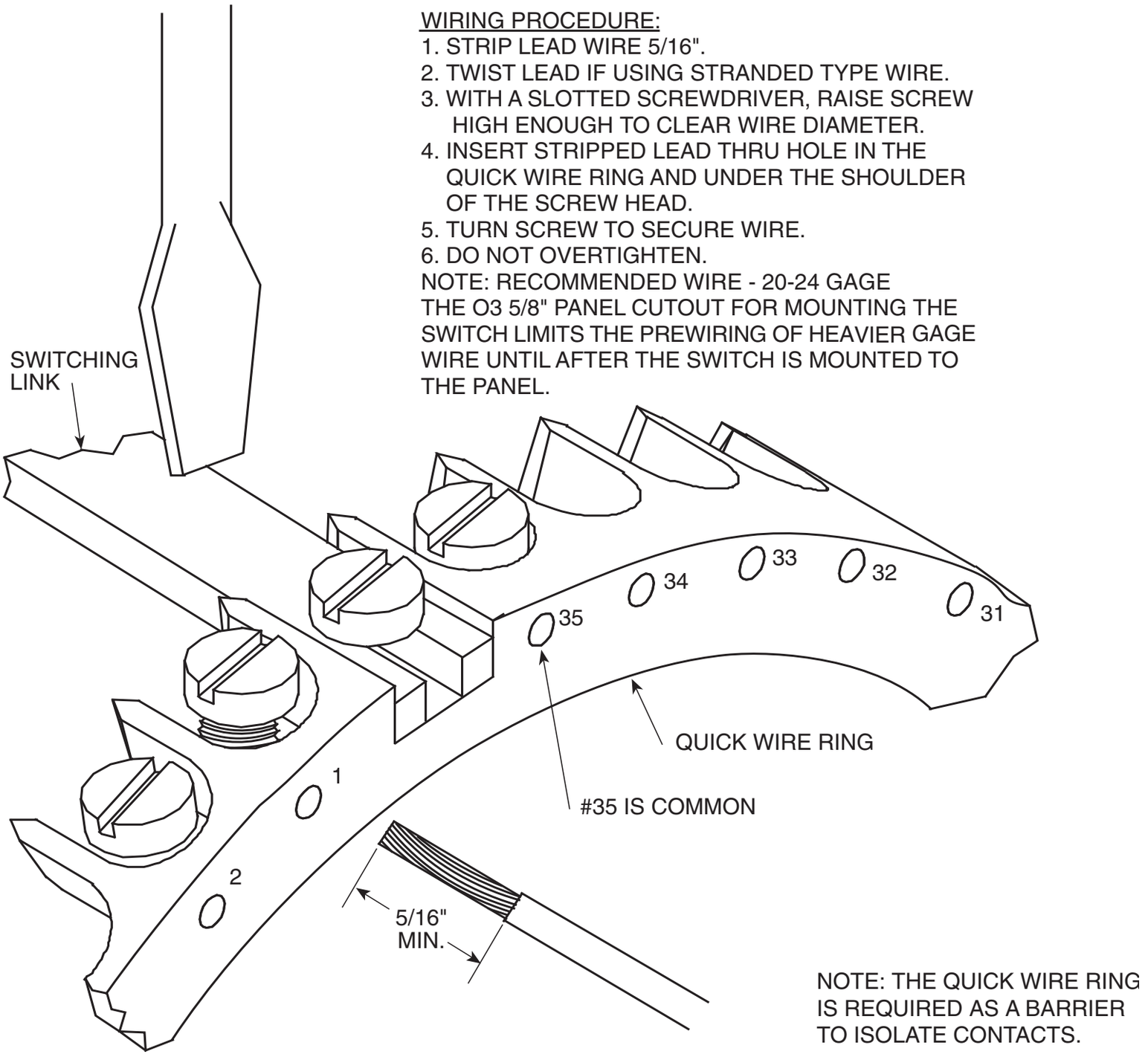
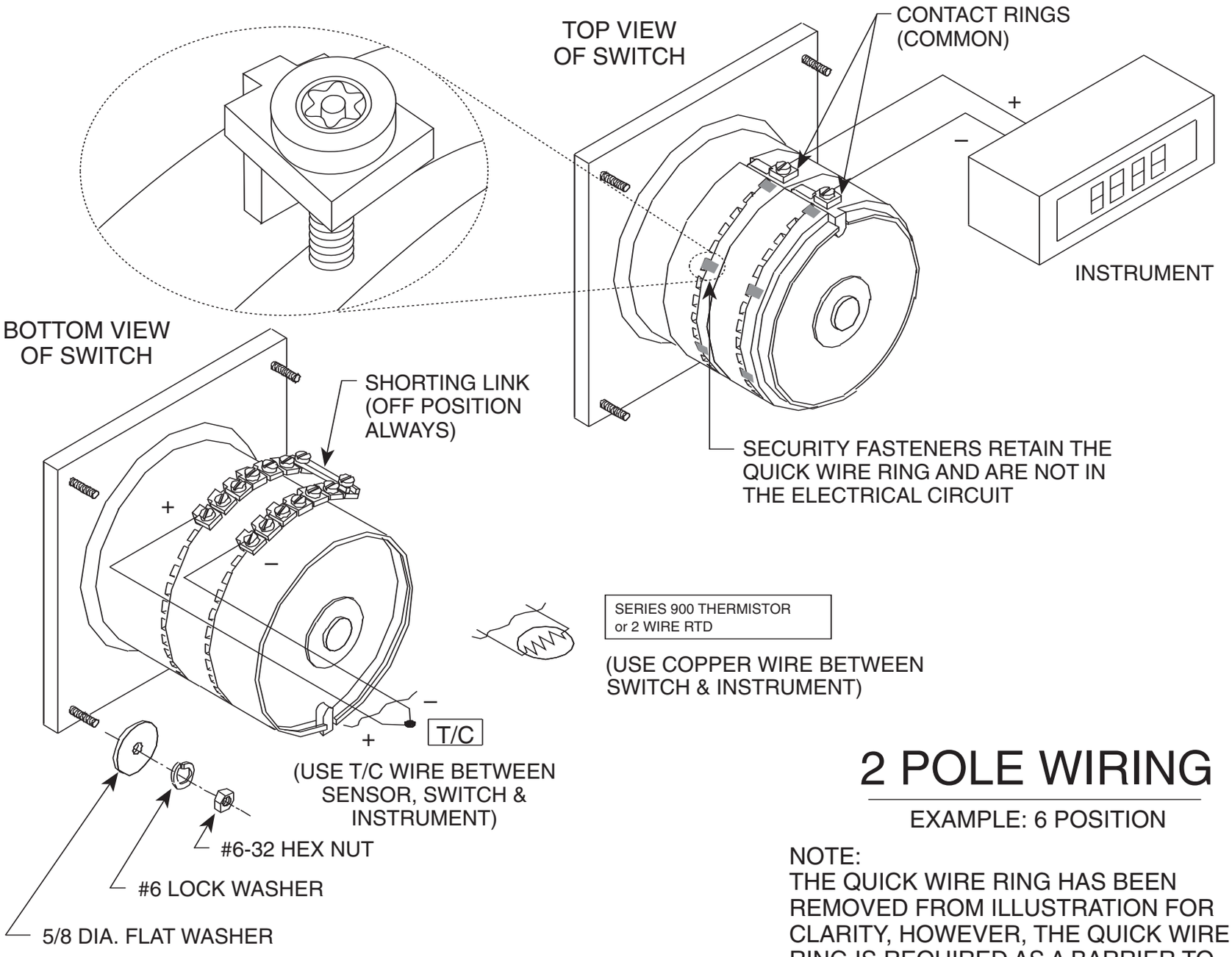


Figure 2-1. SW14 Series Wiring Procedure

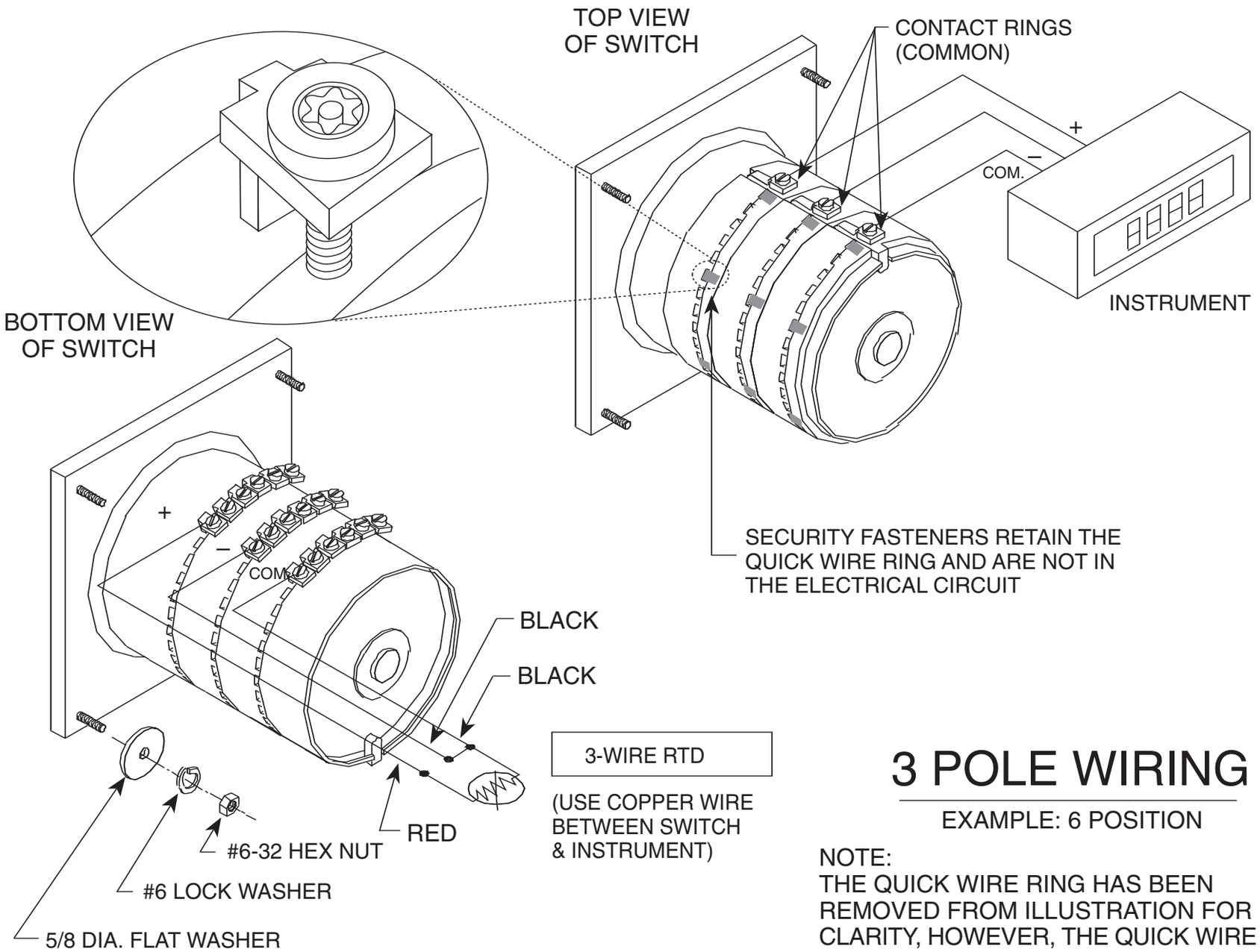


2 POLE WIRING

EXAMPLE: 6 POSITION

NOTE:
THE QUICK WIRE RING HAS BEEN REMOVED FROM ILLUSTRATION FOR CLARITY, HOWEVER, THE QUICK WIRE RING IS REQUIRED AS A BARRIER TO ISOLATE CONTACTS.

Figure 2-2. SW14 Series 2 Pole Wiring



3 POLE WIRING

EXAMPLE: 6 POSITION

NOTE:
THE QUICK WIRE RING HAS BEEN REMOVED FROM ILLUSTRATION FOR CLARITY, HOWEVER, THE QUICK WIRE RING IS REQUIRED AS A BARRIER TO ISOLATE CONTACTS.

Figure 2-3. SW14 Series 3 Pole Wiring

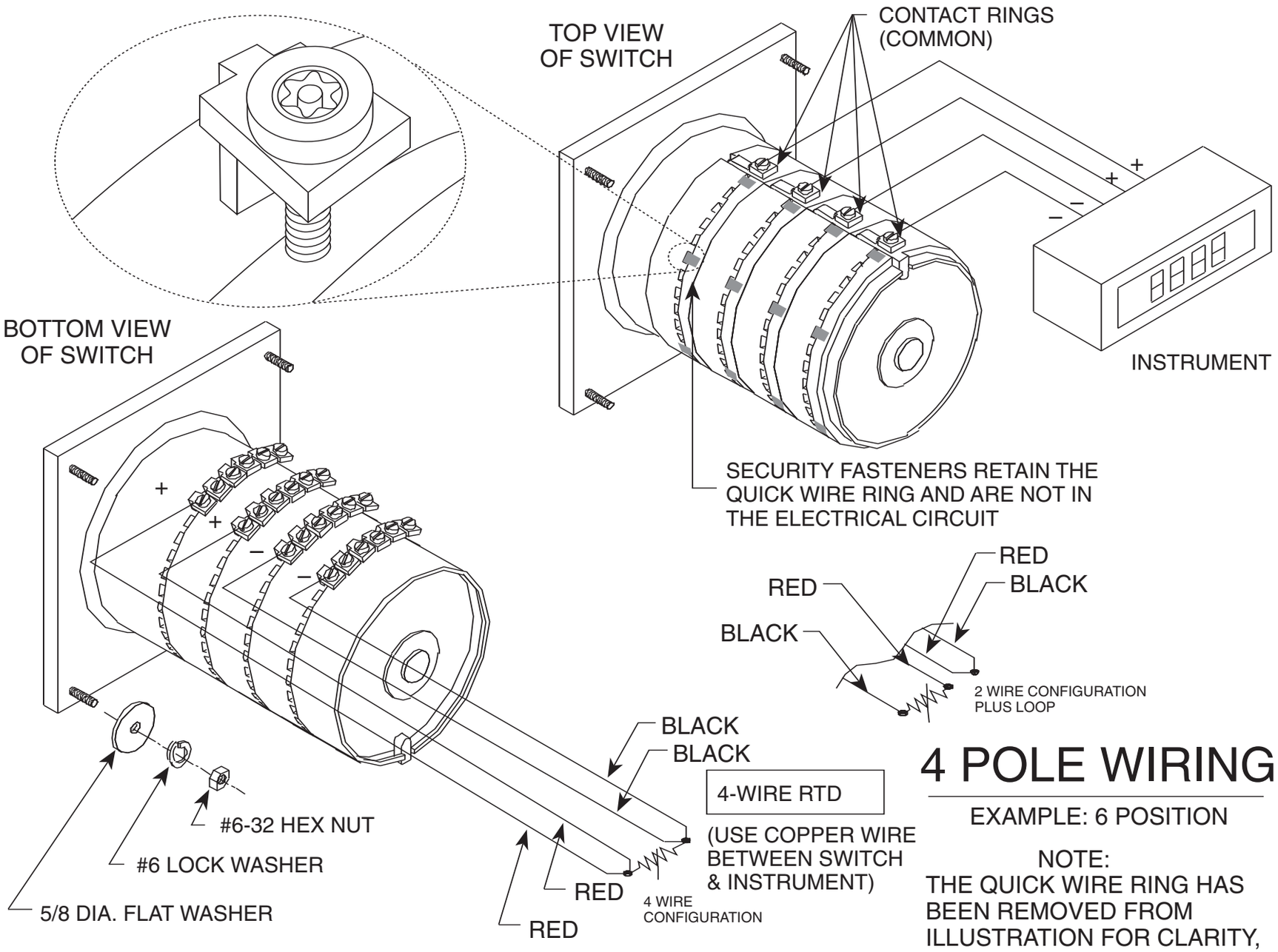


Figure 2-4. SW14 Series 4 Pole Wiring

3.1 Mounting the switch into a 1/4 DIN Panel Cutout

1. Cut out jack panel to 3.622" x 3.622" (92mm x 92 mm dimensions.
2. Pass the switch through the panel cutout.
3. Apply the hardware provided in the order shown in Figure 3-1.
4. Tighten nuts.

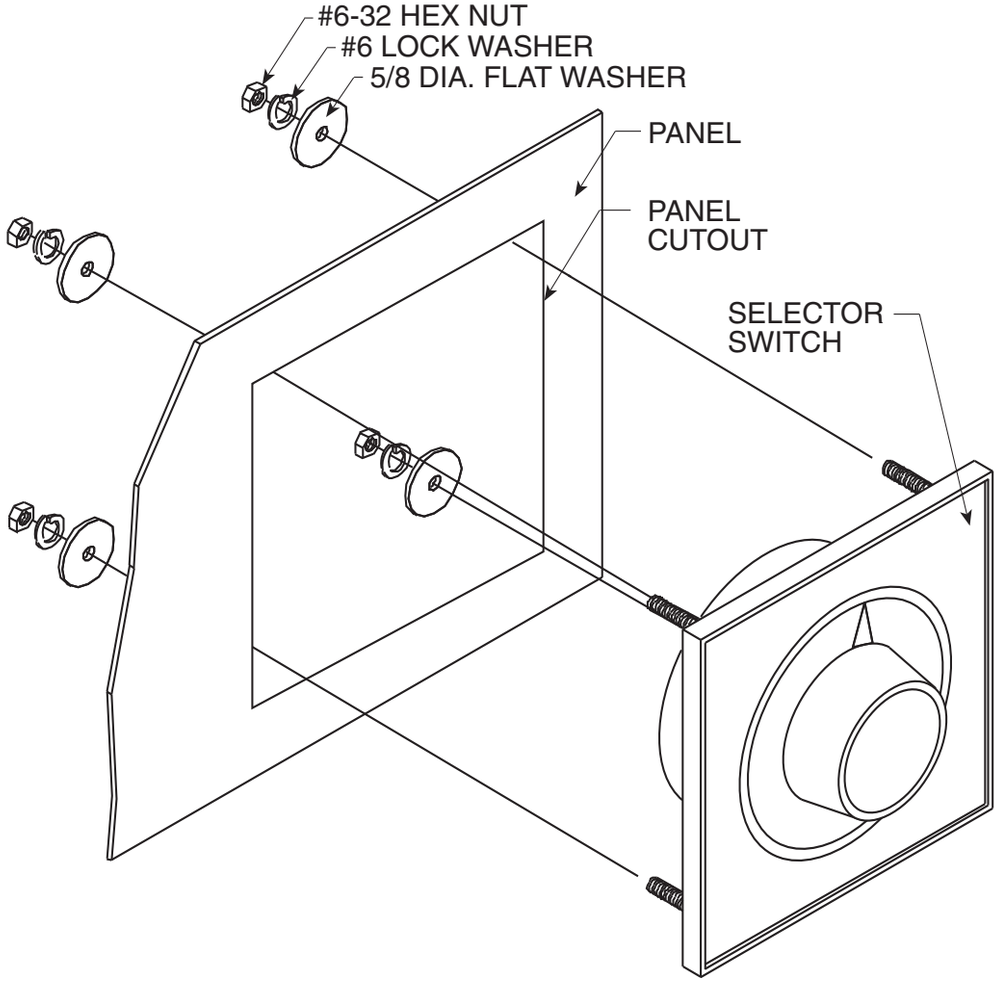


Figure 3-1. 1/4 DIN Panel Mounting

3.2 Standard Panel Mounting

1. Use the template provided to make a panel cut.
2. Pass the switch through the panel cutout, aligning the mounting studs through the holes.
3. Apply the hardware provided in the order shown in Figure 3-2.
4. Tighten nuts.

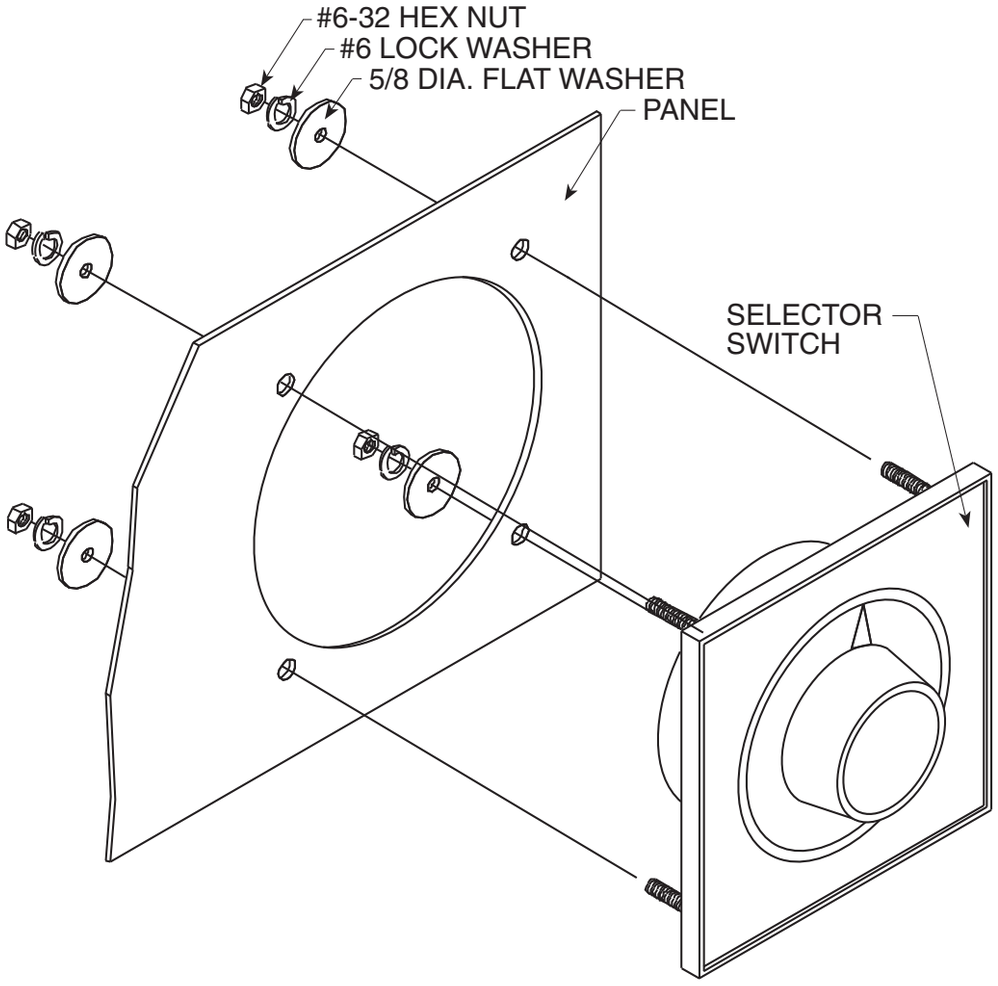
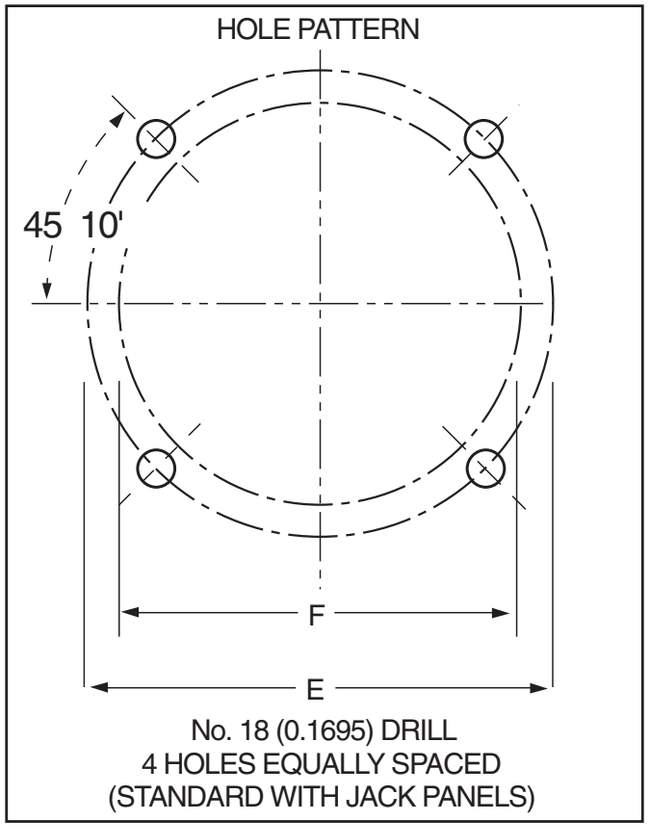
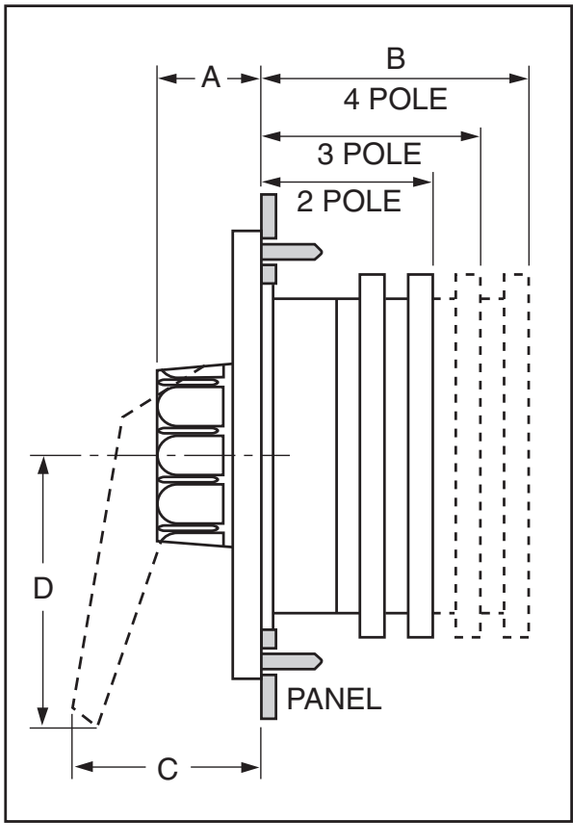


Figure 3-2. Selector Switch Standard Panel Mounting





Switch Size	Dim. A mm (in)	Dim. B mm (in)	Dim. C mm (in)	Dim. D mm (in)	Dim. E mm (in)	Dim. F mm (in)	Bezel Size mm (in)
¼ DIN 2 Pole	28 (1 3/32")	63 (2 13/32")	43 (1.71")	67 (2 5/8")	4.812 Dia	3 5/8" Dia	96 (3.78")
¼ DIN 3 Pole	28 (1 3/32")	82 (3 5/32")	43 (1.71")	67 (2 5/8")	4.812 Dia	3 5/8" Dia	96 (3.78")
¼ DIN 4 Pole	28 (1 3/32")	101 (3 29/32")	43 (1.71")	67 (2 5/8")	4.812 Dia	3 5/8" Dia	96 (3.78")

Figure 3-3. Standard Dimensions

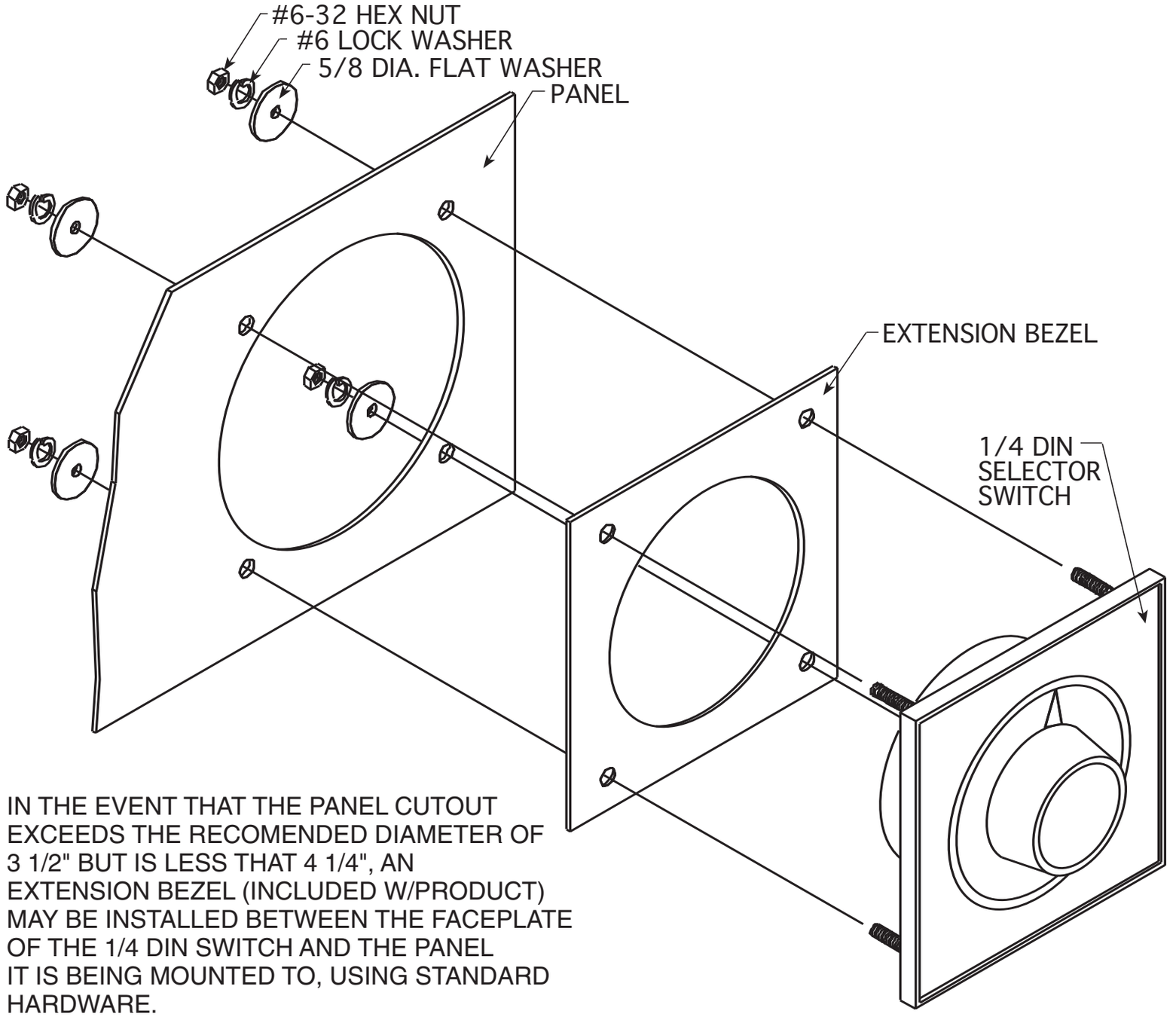


Figure 3-4. Installing an Extension Bezel

4 SW14 Series Specifications

Insulation Resistance:	**20MΩ at 300 volts dc**
Contact Resistance:	**0.004Ω or less**
Case Material:	**Noryl SPN-420**
Weight:	
2-pole switch:	**3/4 lbs.**
3-pole switch:	**1 lb.**
4-pole switch:	**1 1/4 lb.**
Hardware and box:	**3/4 lbs.**
Continuous Use Temperature:	**110°C**

5 OSW Series Introduction

5.1 General Description

The OSW Series rotary selector switches are designed to provide isothermal, low-resistance switching in your temperature measuring circuits. the isothermal design minimizes temperature gradients between the input and the output thermocouple wiring to avoid the generation of thermal EMF's that add error to your thermocouple temperature measuring circuits. Temperature-sensitive resistance transducers such as RTD's and thermistors can be switched with confidence, knowing that the low contact resistance will not add any appreciable error to the measurement.

The OSW two-pole switches are available in either 3" or 5" diameter housing, depending on the number of positions (refer to Selection Guides on page 5-2). All of the three-pole versions have a 5" diameter housing. Two to 40 positions, in addition to OFF, are available in a designer style unbreakable Noryl case. (Note that the 3-pole version has no OFF position).

To allow matching of a readout device in all switch positions, the "off" position of each switch may be shorted of left as an open circuit. Each pole is fully isolated. For quick and easy wiring, the terminals located at the rear of the switch are clearly marked.

All switches are available with the standard round knob, or a pistol-grip handle, and gold or silver plated contacts.

OSW/OSWG Switch Selection Guide

No. of Poles	Number of Positions	Contact Action	Size (mm)	Silver Plated Contacts Model Number	Gold Plated Contacts Model Number
2 POLE	2	Break Before Make	3" (76.2)	OSW3-2	OSWG3-2
	3			OSW3-3	OSWG3-3
	4			OSW3-4	OSWG3-4
	5			OSW3-5	OSWG3-5
	6			OSW3-6	OSWG3-6
	8			OSW3-8	OSWG3-8
	9			OSW3-9	OSWG3-9
	10			OSW3-10	OSWG3-10
	12	Make Before Break	3" (76.2)	OSW3-12	OSWG3-12
	14			OSW3-14	OSWG3-14
	16			OSW3-16	OSWG3-16
	18			OSW3-18	OSWG3-18
	20			OSW3-20	OSWG3-20
	24		5" (127)	OSW5-24	OSWG5-24
	28			OSW5-28	OSWG5-28
	30			OSW5-30	OSWG5-30
	32			OSW5-32	OSWG5-32
	36			OSW5-36	OSWG5-36
	40			OSW5-40	OSWG5-40
3 POLE	6	Make Before Break	5" (127)	OSWT-6	OSWGT-6
	10			OSWT-10	OSWGT-10
	12			OSWT-12	OSWGT-12
	18			OSWT-18	OSWGT-18
	20			OSWT-20	OSWGT-20
	24			OSWT-24	OSWGT-24
	28			OSWT-28	OSWGT-28
	30			OSWT-30	OSWGT-30
	32			OSWT-32	OSWGT-32
	36			OSWT-36	OSWGT-36
	40			OSWT-40	OSWGT-40

To order with optional pistol grip, add suffix '-PG' to model no.

Ordering Example: *OSWG3-20-PG, 76.2 mm (3") switch, 20 positions, gold contacts, with optional pistol grip.*

6 OSW Series Wiring Procedure

6.1 Wiring Procedure

In most cases, the switches are used to connect one of several Alternative sensor inputs to a single instrument. The instructions that follow apply to this usual case. However, the rotary switch is bi-directional and can also connect a single input to one of several outputs.

When an OSW switch is used for thermocouple circuitry, make sure that the switch terminals are in a uniform temperature environment. Avoid hot or cool air drafts. Environmental temperature gradients can introduce error in thermocouple readings in spite of the switch's isothermal design.

The switch input wiring connections are at the rear of the housing, arranged in concentric rings. The outermost ring is labeled "+", the next is "-", and in three-pole models, the innermost ring is labeled "COM". The output terminals are inside the concentric rings of terminals and are labeled "+,-,COM" to match the inputs.

Attach the input and output leads to the terminals with the screws and washers supplied in a separate package with each rotary switch.

The switches are also supplied with a screw and nut to provide a short circuit for the OFF position, if desired. Figure 6-1 shows the terminal configuration of the two-pole models as well as the attachment hardware. Figure 6-2 shows the wiring configuration for two-pole models. Figures 6-3 and 6-4 show the terminal configuration and wiring for three-pole switches.

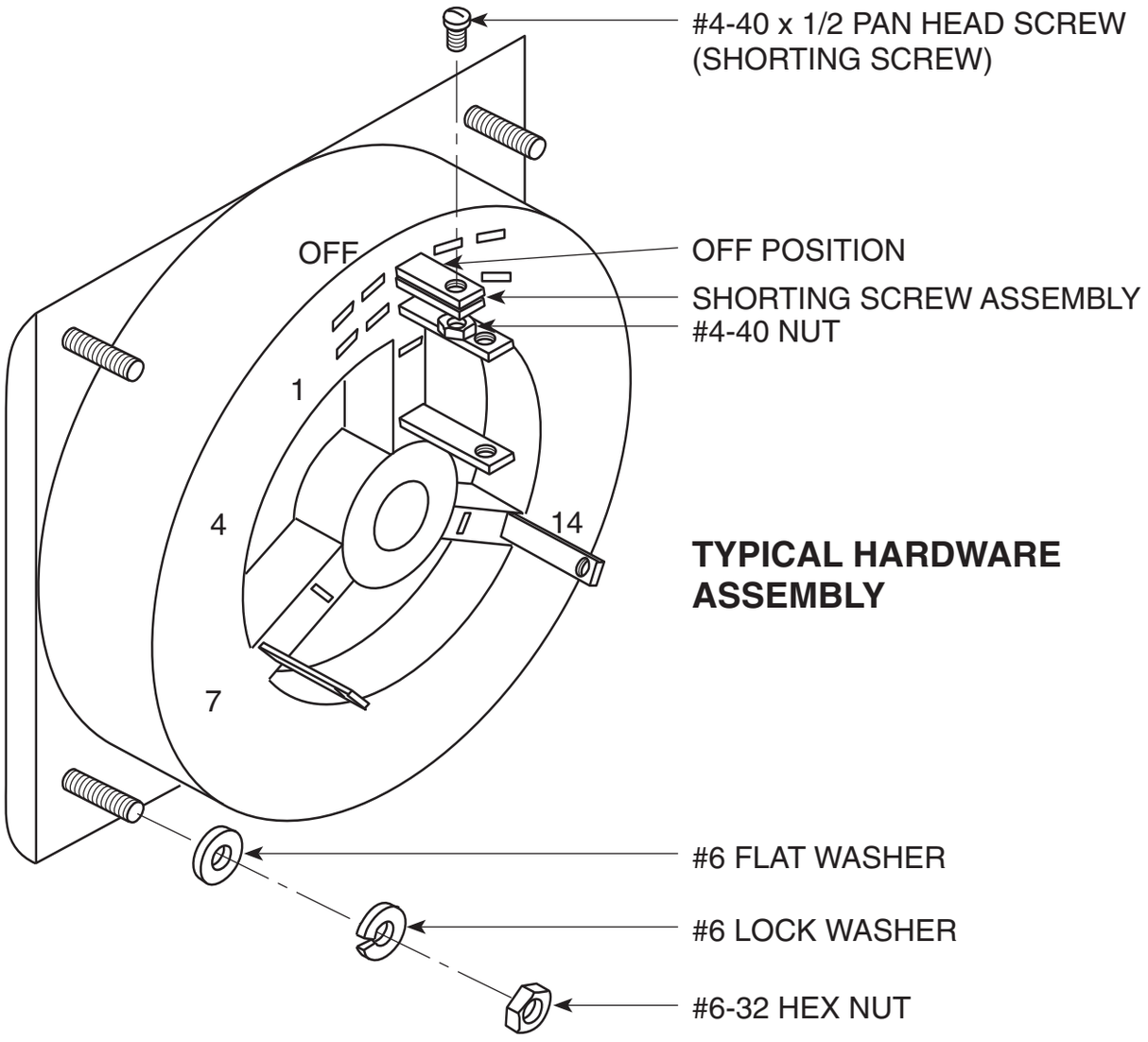


Figure 6-1. OSW Two-Pole Switch and Hardware - Rear View

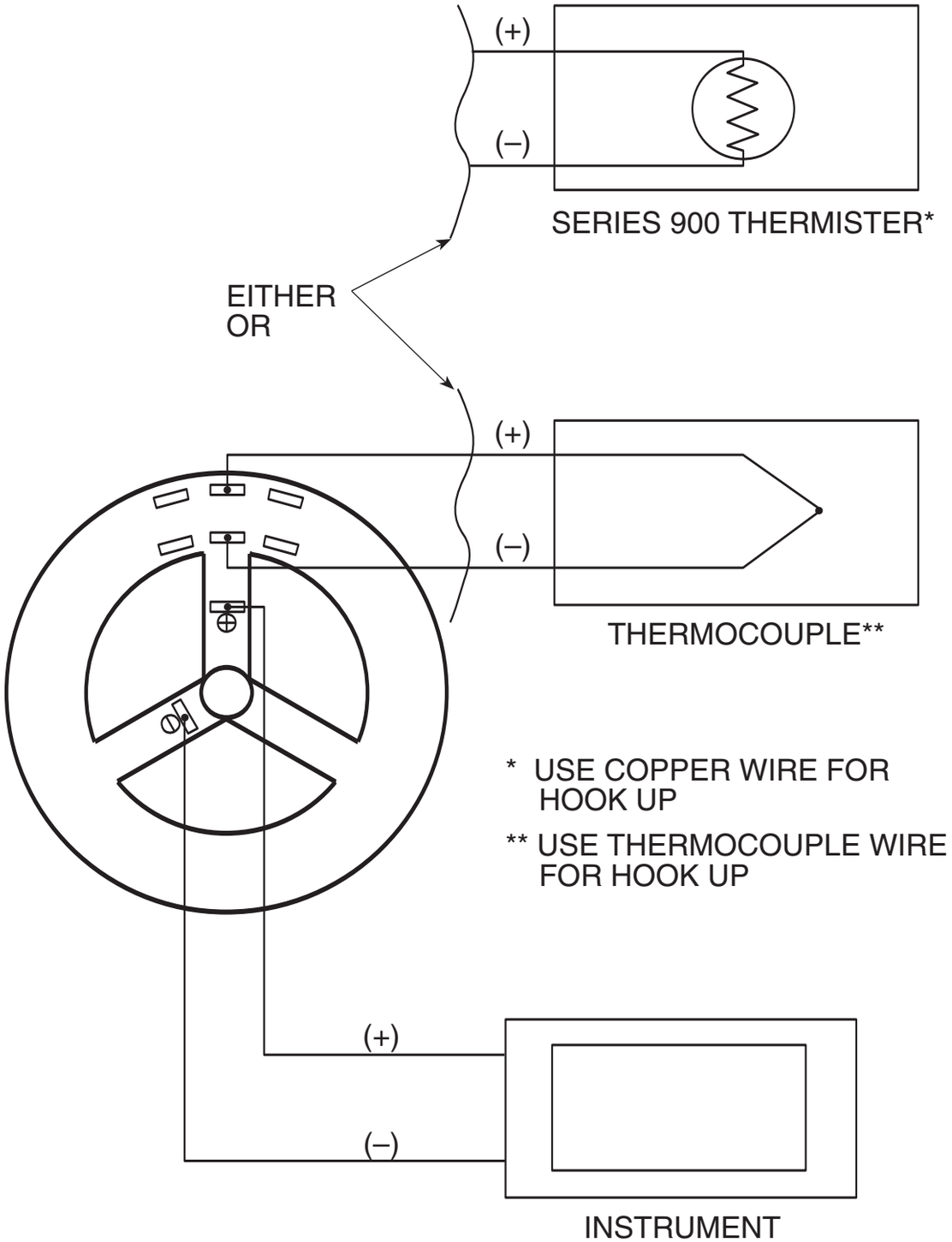


Figure 6-2. OSW Two-Pole Switch and Hardware - Rear View

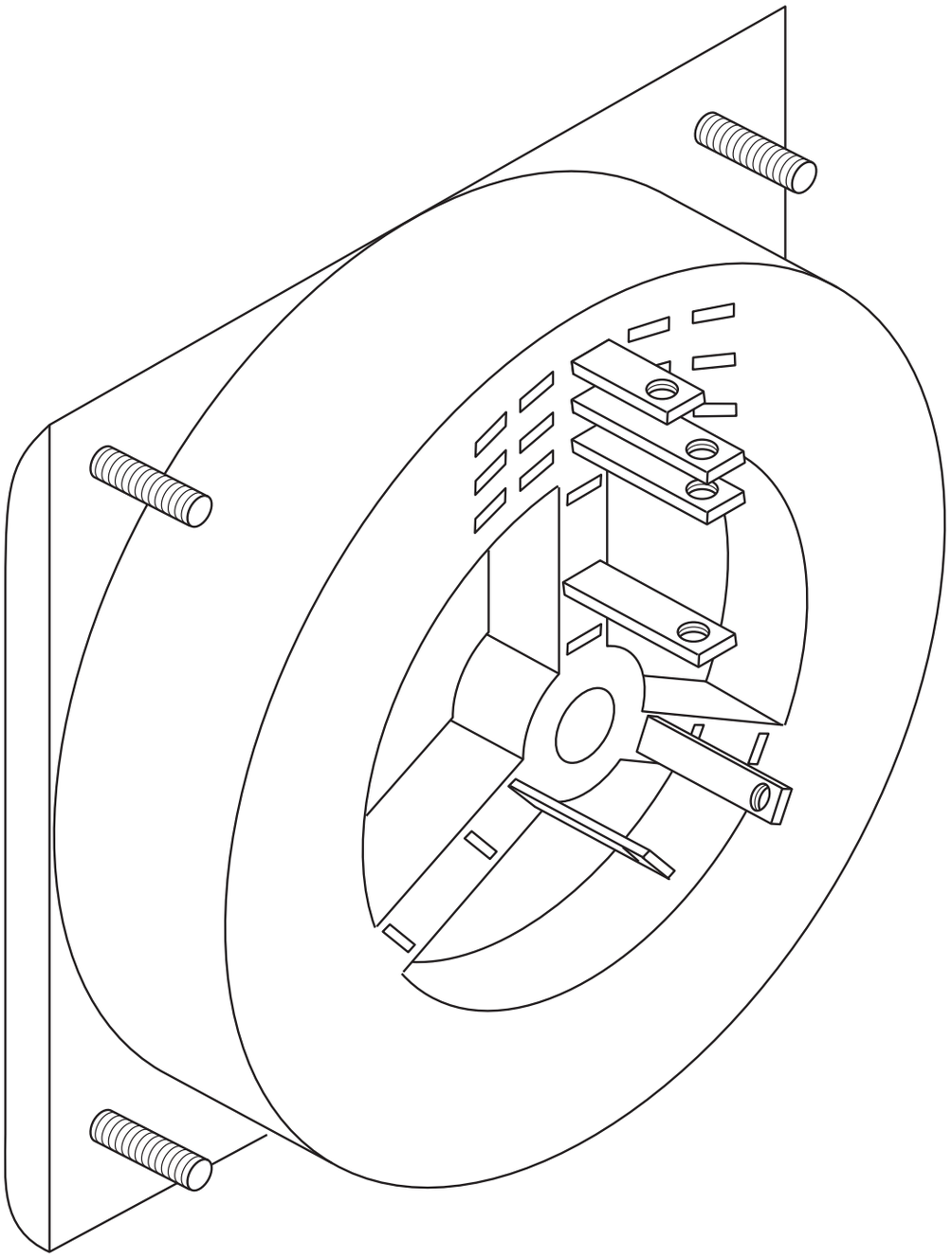


Figure 6-3. OSW Three-Pole Switch (hardware not shown) Rear View

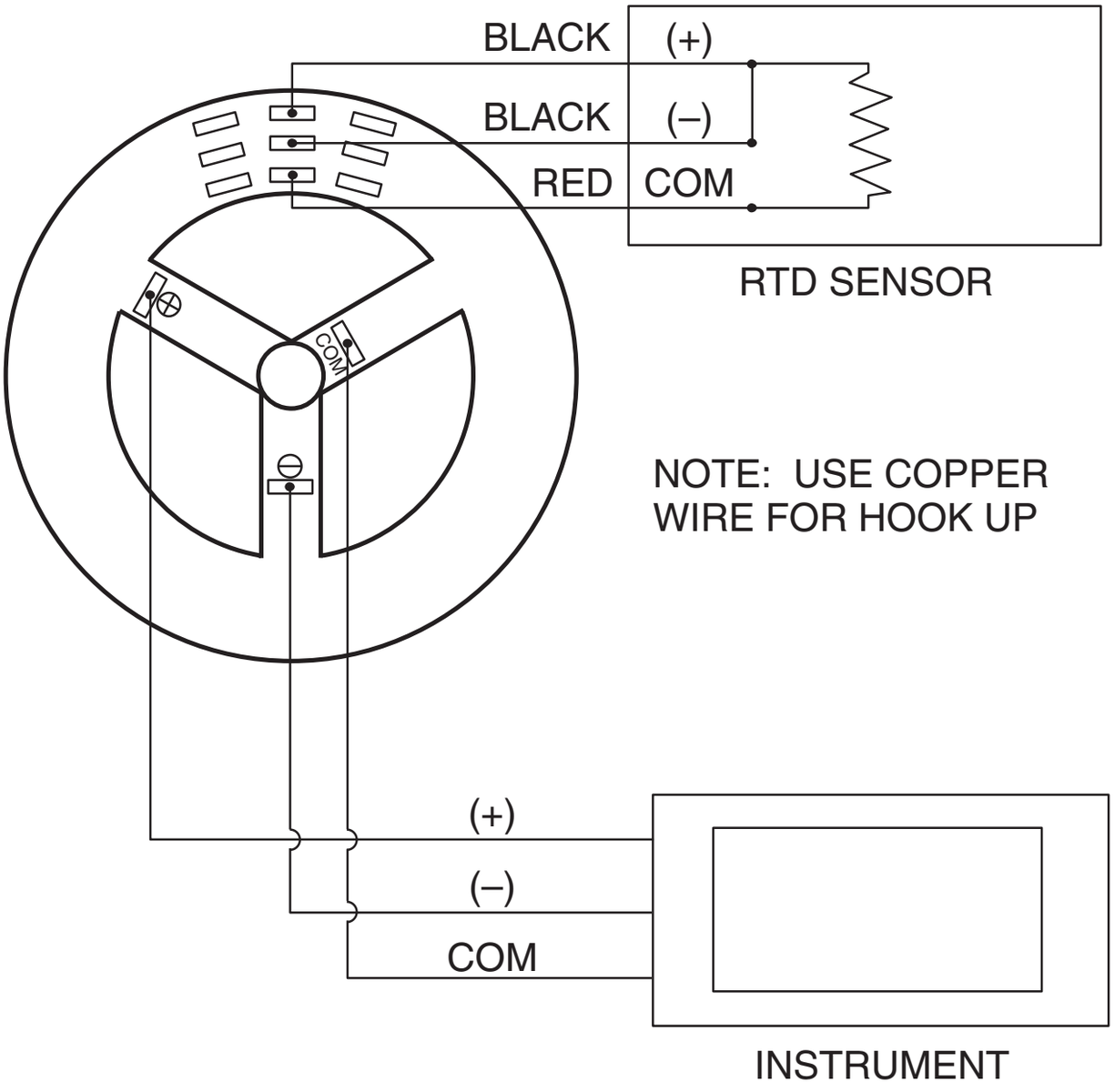


Figure 6-4. OSW Three-Pole Wiring

7 OSW Series Mounting Procedure

1. Use the template provided to make a panel cutout.

2. Pass the switch through the panel cutout, aligning the mounting studs through the holes.

3. Apply the hardware provided in the order shown in Figure 7-1.

4. Tighten nuts.

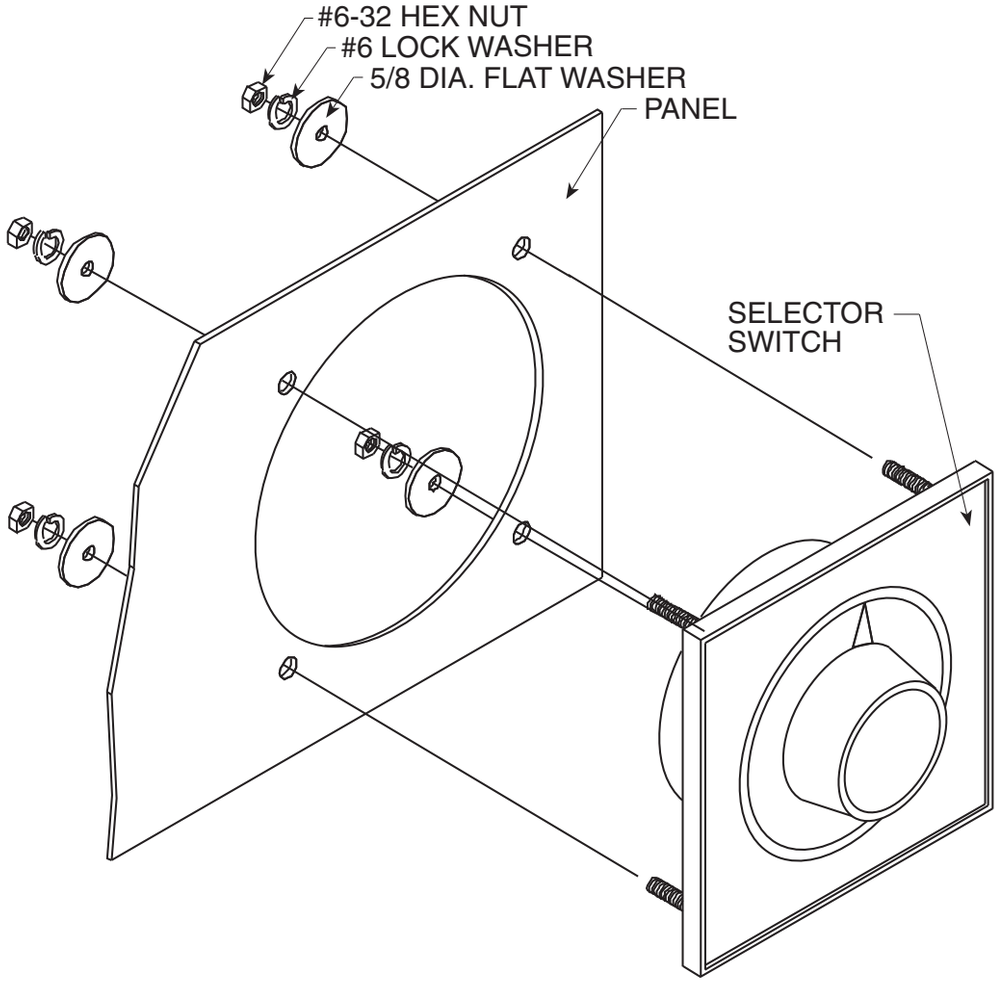
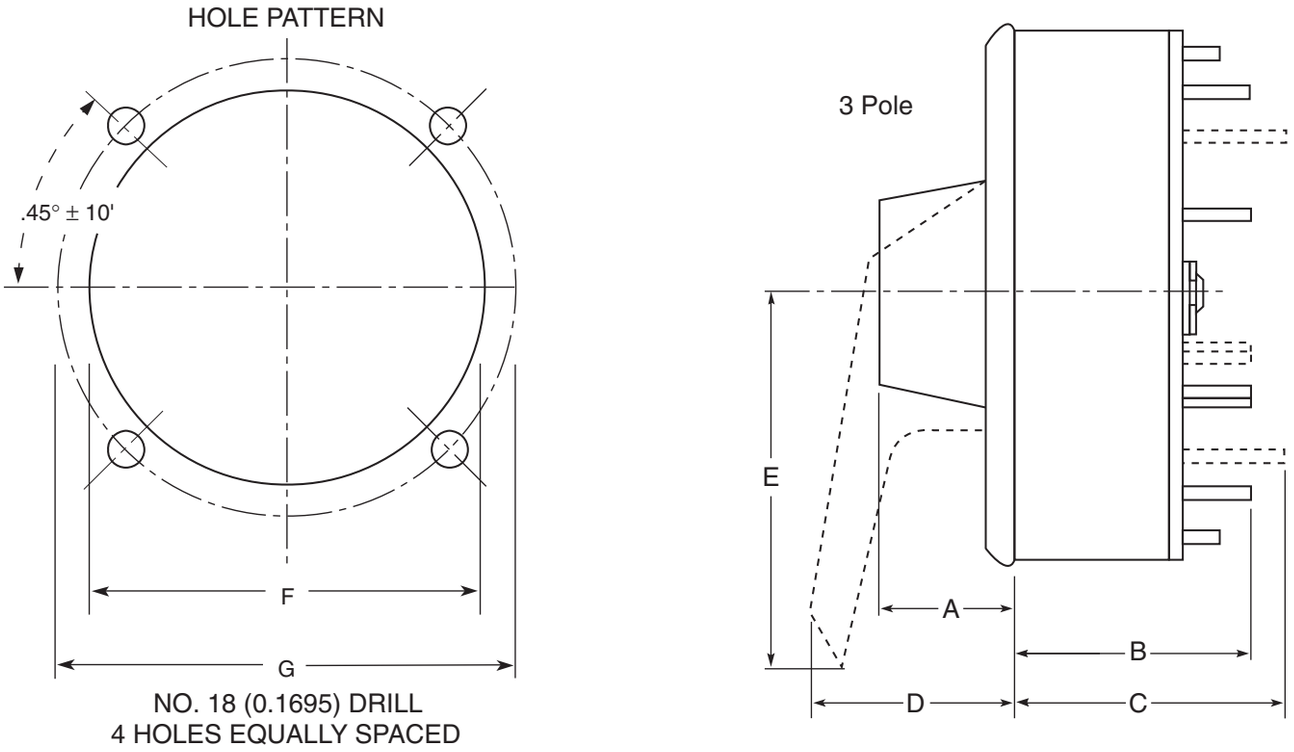
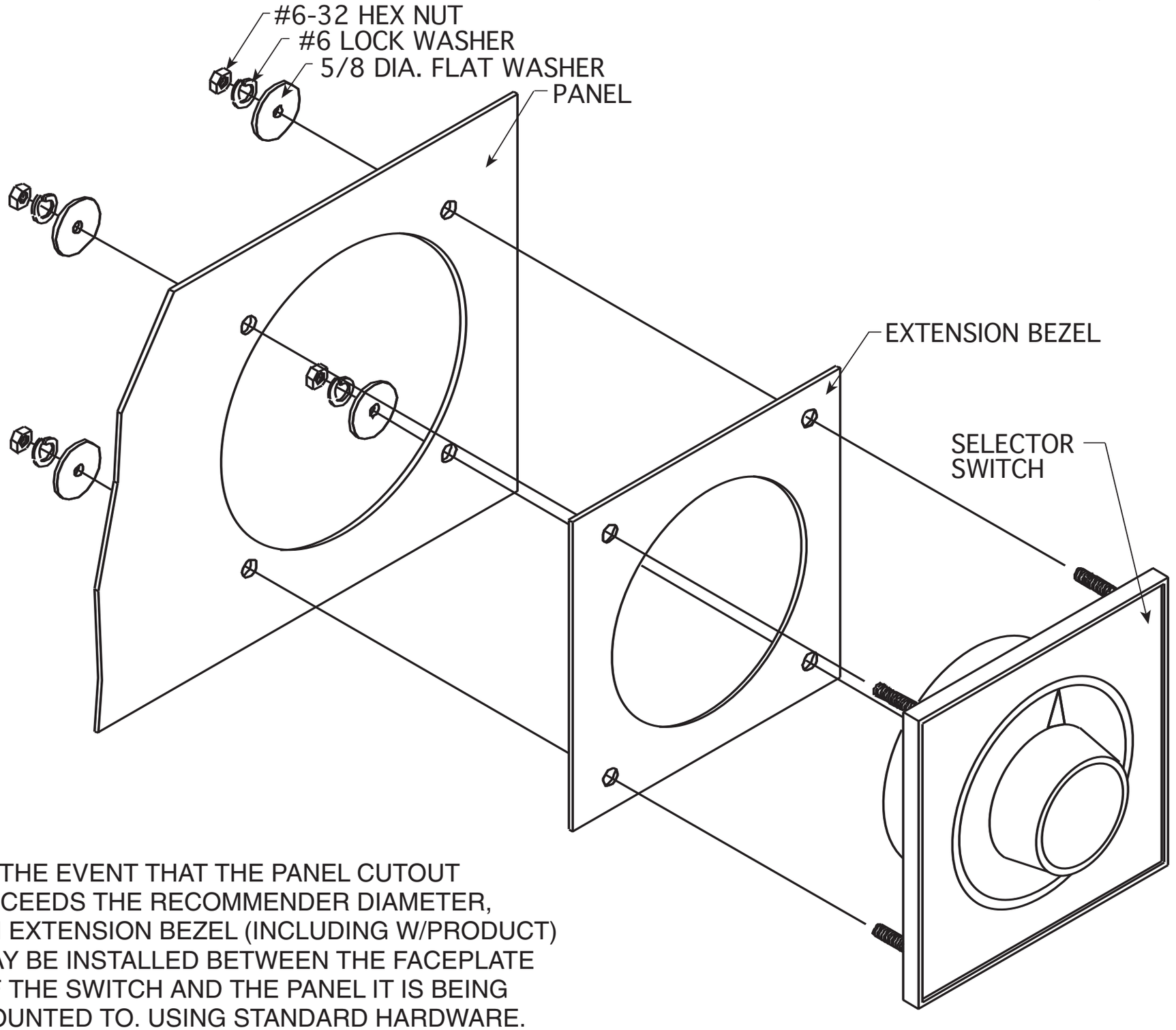


Figure 7-1. Mounting the Selector Switch



Switch Size	Dim. A mm (in)	Dim. B* mm (in)	Dim. C mm (in)	Dim. D mm (in)	Dim. E mm (in)	Bezel Size mm (in)	Dim. F mm (in)	Dim. G mm (in)
76 mm (3")	28.6 (1⅛")	54 (2⅛")	62 (2⁷⁄₁₆")	44.4 (1¾")	66.7 (2⅝")	82.55 (3¼")	80.9 (3.187")	94.2 (3.71")
127 mm (5")	38.1 (1½")	54 (2⅛")	62 (2⁷⁄₁₆")	58.7 (2⁵⁄₁₆")	92.07 (3⅝")	133.35 (5¼")	131.75 (5.187")	166.12 (6.54")

Figure 7-2. OSW Series Dimensions



IN THE EVENT THAT THE PANEL CUTOUT EXCEEDS THE RECOMMENDER DIAMETER, AN EXTENSION BEZEL (INCLUDING W/PRODUCT) MAY BE INSTALLED BETWEEN THE FACEPLATE OF THE SWITCH AND THE PANEL IT IS BEING MOUNTED TO. USING STANDARD HARDWARE.

Figure 7-3. Installing an Extension Bezel

8 OSW Series Specifications

Insulation Resistance:	**20MΩ at 300 volts dc**
Contact Resistance:	**0.004Ω or less**
Case Material:	**Noryl 731**
Weight:	
3" switch:	**3/4 lbs.**
5" switch:	**1 1/4 lbs.**
Hardware and box:	**3/4 lbs.**
Continuous Use Temperature:	**110°C**

NOTES

MADE IN USA

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/ DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

Where Do I Find Everything I Need for Process Measurement and Control? OMEGA...Of Course!

Shop online at omega.com℠

TEMPERATURE

- Thermocouple, RTD & Thermistor Probes, Connectors, Panels & Assemblies
- Wire: Thermocouple, RTD & Thermistor
- Calibrators & Ice Point References
- Recorders, Controllers & Process Monitors
- Infrared Pyrometers

PRESSURE, STRAIN AND FORCE

- Transducers & Strain Gages
- Load Cells & Pressure Gages
- Displacement Transducers
- Instrumentation & Accessories

FLOW/LEVEL

- Rotameters, Gas Mass Flowmeters & Flow Computers
- Air Velocity Indicators
- Turbine/Paddlewheel Systems
- Totalizers & Batch Controllers

pH/CONDUCTIVITY

- pH Electrodes, Testers & Accessories
- Benchtop/Laboratory Meters
- Controllers, Calibrators, Simulators & Pumps
- Industrial pH & Conductivity Equipment

DATA ACQUISITION

- Data Acquisition & Engineering Software
- Communications-Based Acquisition Systems
- Plug-in Cards for Apple, IBM & Compatibles
- Datalogging Systems
- Recorders, Printers & Plotters

HEATERS

- Heating Cable
- Cartridge & Strip Heaters
- Immersion & Band Heaters
- Flexible Heaters
- Laboratory Heaters

ENVIRONMENTAL MONITORING AND CONTROL

- Metering & Control Instrumentation
- Refractometers
- Pumps & Tubing
- Air, Soil & Water Monitors
- Industrial Water & Wastewater Treatment
- pH, Conductivity & Dissolved Oxygen Instruments

M1940/0907

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP