Tippette

Full Sized Rocker Switches

The Tippette Series is a traditionally styled rocker switch, available in sealed or unsealed versions. These switches are appropriate for use in general purpose applications which may or may not require a modicum of environmental protection. The Tippette Series is available in both illuminated and non-illuminated versions and features a wide variety of circuits, actuator styles and bracket options. This versatile offering includes international agency certifications and ratings to 26 amps for select circuits.

Carling Technologies®
Innovative Designs. Powerful Solutions.

Carling Technologies, Inc.
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Phone: (860) 793-9281 • Fax: (860) 793-9231
Email: sales@carlingtech.com • www.carlingtech.com

Electrical

Contact Rating	15 amps, 125 VAC 10 amps, 250 VAC 3/4 HP 125-250 VAC 15 amps, 12-30 VDC
Life	25,000 cycles circuit dependent 50,000 cycles circuit dependent consult factory for applicable circuits.
Contacts	Fine silver, silver cad-oxide
Terminals	Brass or copper/silver plate 1/4" (6.3mm) Quick Connect terminations standard. Solder lug - Brass Tin Plated Wire Lead 16 gauge standard 105°C 600VAC Screw Terminals - Brass

Mechanical

Endurance	100,000 cycles minimum

Physical

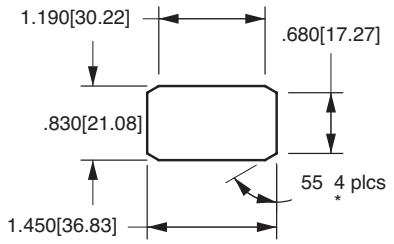
Lighted	Incandescent - rated 10,000 hours Neon - rated 25,000 hours
Seals	Bracket - Actuator WBL/MBL optional external gasket panel seal
Base	Phenolic (150°C)
Rocker/Bracket	Nylon 66 (105°C)

Agency Certifications

Select circuits and constructions with IEC approvals are available. Consult factory

Mounting

MOUNTING HOLE
(Nylon Snap-in Brackets)
Panel Thickness:
.040 min. - .250 max.



*Angled corners are suggested for optimum fit.
Standard rectangular cutout is acceptable.

*Manufacturer reserves the right to change product specification without prior notice.

TIGA51 - 6M - BL - MBL

1 Base Part Number | 2 Actuator Style | 3 Actuator Color | 4 Bracket

1 BASE PART NUMBER: SERIES/POLES/CIRCUITRY[8,11,13]/RATING[7]/TERMINATION[10]

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 6-28VDC[7]

Single Pole in Double Pole base[2]

solder lug	.250 tab	screw term.	wire leads	
TIGA50	**TIGA51**	**TIGA54**	**TIGA55**	On-None-Off
TIGA5A	**TIGA5B**	**TIGA5E**	**TIGA5F**	(On)-None-Off
TIGA5L	**TIGA5M**	**TIGA5S**	**TIGA5T**	On-None-(Off)
TIGB50	**TIGB51**	**TIGB54**	**TIGB55**	On-None-On
TIGB5A	**TIGB5B**	**TIGB5E**	**TIGB5F**	On-None-(On)
TIGC50	**TIGC51**	**TIGC54**	**TIGC54**	On-Off-On
TIGC5A	**TIGC5B**	**TIGC5E**	**TIGC5F**	On-Off-(On)
TIGC5L	**TIGC5M**	**TIGC5S**	**TIGC5T**	(On)-Off-(On)

Double Pole

solder lug	.250 tab	screw term.	wire leads
TIGK50	**TIGK51**	**TIGK54**	**TIGK55**
TIGK5A	**TIGK5B**	**TIGK5E**	**TIGK5F**
TIGK5L	**TIGK5M**	**TIGK5S**	**TIGK5T**
TIGL50	**TIGL51**	**TIGL54**	**TIGL55**
TIGL5A	**TIGL5B**	**TIGL5E**	**TIGL5F**
TIGM50	**TIGM51**	**TIGM54**	**TIGM55**
TIGM5A	**TIGM5B**	**TIGM5E**	**TIGM5F**
TIGM5L	**TIGM5M**	**TIGM5S**	**TIGM5T**

Three Pole

solder lug	.250 tab	screw term.	wire leads	
TIHK50	**TIHK51**	**TIHK54**	**TIHK55**	On-None-Off
TIHK5A	**TIHK5B**	**TIHK5E**	**TIHK5F**	(On)-None-Off
TIHK5L	**TIHK5M**	**TIHK5S**	**TIHK5T**	On-None-(Off)
TIHL50	**TIHL51**	**TIHL54**	**TIHL55**	On-None-On
TIHL5A	**TIHL5B**	**TIHL5E**	**TIHL5F**	On-None-(On)
TIHM50	**TIHM51**	**TIHM54**	**TIHM54**	On-Off-On
TIHM5A	**TIHM5B**	**TIHM5E**	**TIHM5F**	On-Off-(On)
TIHM5L	**TIHM5M**	**TIHM5S**	**TIHM5T**	(On)-Off-(On)

Four Pole

solder lug	.250 tab	screw term.	wire leads
TIIK50	**TIIK51**	**TIIK54**	**TIIK55**
TIIK5A	**TIIK5B**	**TIIK5E**	**TIIK5F**
TIIK5L	**TIIK5M**	**TIIK5S**	**TIIK5T**
TIIL50	**TIIL51**	**TIIL54**	**TIIL55**
TIIL5A	**TIIL5B**	**TIIL5E**	**TIIL5F**
TIIM50	**TIIM51**	**TIIM54**	**TIIM55**
TIIM5A	**TIIM5B**	**TIIM5E**	**TIIM5F**
TIIM5L	**TIIM5M**	**TIIM5S**	**TIIM5T**

VDE APPROVED

10A 250VAC, 15A 125VAC, 12(6)A 250VAC T85

Single Pole in Double Pole base[2]

solder lug	.250 tab	wire lead	
TIGA90	**TIGA91**	**TIGA95**	On-None-Off
TIGB90	**TIGB91**	**TIGB95**	On-None-On
TIGC90	**TIGC91**	**TIGC95**	On-Off-On

Double Pole

solder lug	.250 tab	wire lead
TIGK90	**TIGK91**	**TIGK95**
TIGL90	**TIGL91**	**TIGL95**
TIGM90	**TIGM91**	**TIGM95**

Additional ratings up to 20A 125-277VAC, 1 1/2HP 125 VAC, 2HP 250VAC are available. Consult factory for specifics.

2 ACTUATOR STYLE

1S	Angular/Smooth Face Gloss[12]	**6M**	Curved/Smooth Face Matte[3]
1C	Angular/Cross Serations Gloss[12]	**6S**	Curved/Smooth Face Gloss[3]
1F	Flatted/Smooth Face Gloss[12]	**7S**	Rounded Paddle/Smooth Face Gloss[1]
1L	Angular/Longline Serrations Gloss[1,12]	**7N**	Witch's Hat/Narrow[15]
2L	Long Smooth/Narrow[15]	**7P**	Witch's Hat/Wide[15]

3 ACTUATOR COLOR[9]

BL black **WH** white **RD** red

4 BRACKET STYLE[9]

A	Screw Mount[5]
B	Screw Mount[5,12]
C	Screw Mount[5]
H	Screw Mount[5]
NBL	Nylon Black
WBL	Watershedding Black[4]
MBL	Marine Style Black[4,6]
FN	Metal Snap-In[5]
FN BLK	Black Metal Snap-In[5]
FN SS	Stainless Steel Snap-In[5]
FW	Wide Stainless Steel Snap-In[5]

Notes:

1 NBL, FN, & FW brackets only.
2 For single pole switch in a single pole base, specify TIL with single pole circuitry/rating/termination.
3 NBL, WBL, & MBL brackets only. With 6M actuator, brackets also will be matte finish.
4 6M & 6S actuators only
5 Not available with 6M & 6S actuators.
6 Consists of WBL bracket, neoprene seal, and dummy rivets at open holes. Consult factory for agency approval status.
7 All ratings are appropriate for usage in low voltage applications.
8 For additional special circuits, see page 21.....?!?!?!
9 Custom colors are available, consult factory.
10 .187 tab and PC terminations are also available. Consult factory for catalog number callout.
11 ( ) momentary
12 Not available with WBL or MBL style brackets.
13 Additional circuits available. See page 21.
14 Available with bracket A, C or H only.
15 Not available with MBL, WBL or H brackets. Can be supplied as a double rocker to control separate poles of a TIG,TIH or TII switch. Consult factory for details.

LTILA51 - 6M - BL - RC - MBL - 12V

1 Base Part Number | 2 Actuator Style | 3 Actuator Color | 4 Lens Color | 5 Bracket | 6 Lamp Voltage

1 BASE PART NUMBER: SERIES/POLES/ILLUMINATION/CIRCUITRY[12]/RATING[10]/TERMINATION[14]

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 15-28VDC

illuminated Single Pole in Double Pole base

solder lug	.250 tab	screw term.	wire leads	
LTILA50	**LTILA51**	**LTILA54**	**LTILA55**	On-None-Off
LTILA5A	**LTILA5B**	**LTILA5E**	**LTILA5F**	(On)-None-Off
LTILA5L	**LTILA5M**	**LTILA5S**	**LTILA5T**	On-None-(Off)
LTILB50	**LTILB51**	**LTILB54**	**LTILB55**	On-None-On
LTILB5A	**LTILB5B**	**LTILB5E**	**LTILB5F**	On-None-(On)
LTILC50	**LTILC51**	**LTILC54**	**LTILC55**	On-Off-On
LTILC5A	**LTILC5B**	**LTILC5E**	**LTILC5F**	On-Off-(On)
LTILC5L	**LTILC5M**	**LTILC5S**	**LTILC5T**	(On)-Off-(On)

illuminated Double Pole

solder lug	.250 tab	screw term	wire leads
LTIGK50	**LTIGK51**	**LTIGK54**	**LTIGK55**
LTIGK5A	**LTIGK5B**	**LTIGK5E**	**LTIGK5F**
LTIGK5L	**LTIGK5M**	**LTIGK5S**	**LTIGK5T**
LTIGL50	**LTIGL51**	**LTIGL54**	**LTIGL55**
LTIGL5A	**LTIGL5B**	**LTIGL5E**	**LTIGL5F**
LTIGM50	**LTIGM51**	**LTIGM54**	**LTIGM55**
LTIGM5A	**LTIGM5B**	**LTIGM5E**	**TIGM5F**
LTIGM5L	**LTIGM5M**	**LTIGM5S**	**LTIGM5T**

Additional ratings up to 12A 250VAC, 17A 125 VAC, 3/4 HP 125 VAC, 1HP 250VAC are available. Consult factory for specifics.
Three pole switch is also available: Substitute H for fourth digit of part number. ex. LTIHK51

2 ACTUATOR STYLE[4]

1S	**Angular/Smooth Face Gloss**[1]
1C	**Angular/Cross Serations Gloss**[1]
1L	**Angular/Longline Serrations Gloss**[1]
6M	**Curved/Smooth Face Matte**[3]
6S	**Curved/Smooth Face Gloss**[3]
7S	**Rounded Paddle/Smooth Face Gloss**[2]

3 ACTUATOR COLOR[11]

BL black **WH** white **RD** red

4 LENS COLOR[13]

AM amber **RC** red **GN** green[7]
LU blue[7] **CL** clear **WH** white

5 BRACKET STYLE[11]

NBL	Nylon Black
WBL	Watershedding Black[5]
MBL	Marine Style Black[5,8]
FN	Metal Snap-In[4,6]
FN BLK	Black Metal Snap-In[4,6]
FN SS	Stainless Steel Snap-In[4,6]

6 LAMP VOLTAGE

neon[9]
125N 125 volt **250N** 250 volt
incandescent
6V 6 volt **12V** 12 volt **18V** 18 volt
24V 24 volt **28V** 28 volt

Notes:

1 NBL, FN, & FW brackets only. Double pole circuits provided with 3 pole base.
2 LTIL-Series with NBL, FN, & FW brackets only.
3 NBL, WBL, & MBL brackets only. With 6M actuator, bracket will also be matte finish.
4 1S, 1C, 1L & 7S with NBL bracket only available with LTIL-Series.
5 6M, 6S actuators only.
6 Not available with 6M and 6S actuators.
7 Not recommended with neon lamps.
8 Consists of WBL bracket, neoprene seal, dummy rivets at open holes. Consult factory for agency approval status.
9 Not recommended with blue or green lenses.
10 All ratings are appropriate for usage in low voltage applications.
11 Custom colors and additional bracket styles are available, consult factory.
12 ( ) - momentary
13 All double throw circuits supplied with two lenses. To specify two different lens colors, specify second color, after first color. (ex. LTIGM51-6S-BL-RC/GN-WBL-12V)
14 .187 tab and PC terminations are also available. Consult factory for catalog number callout.

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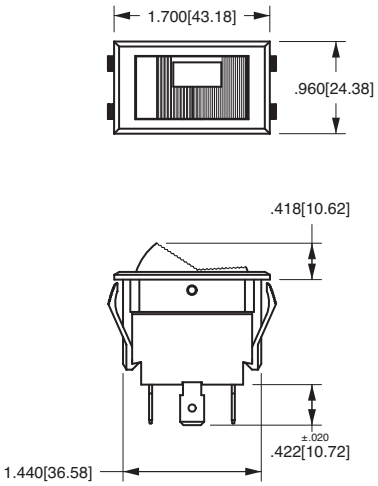
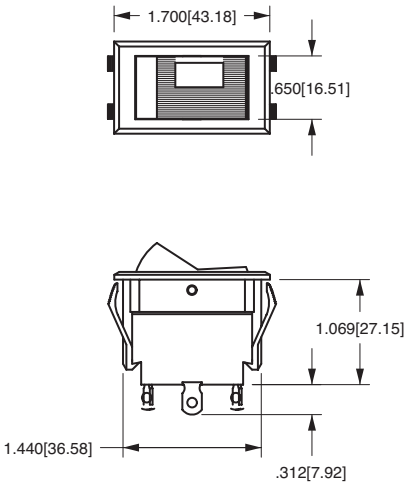
1C
CROSS-LINE W/ONE LENS



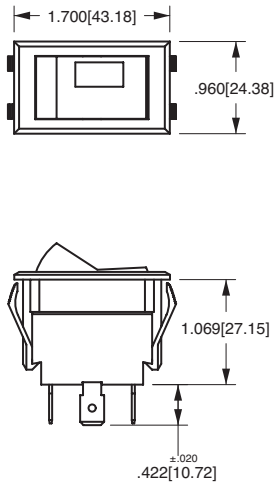
WITH.250 TAB
TERMINALS
AND NBL BRACKET

1L
LONG-LINE W/ONE LENS



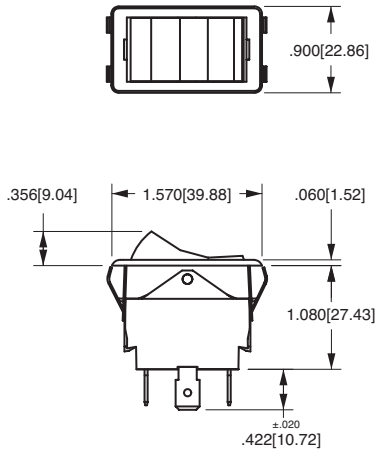
WITH SOLDER LUG
TERMINAL
AND NBL BRACKET

1S
SMOOTH W/ONE LENS



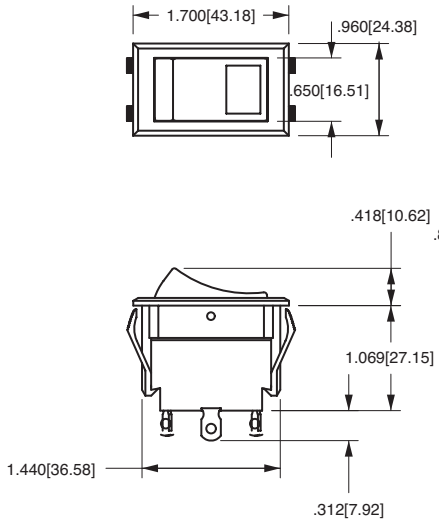
WITH.250 TAB
TERMINALS
AND NBL BRACKET

1F
FLATTED STYLE NO LENS



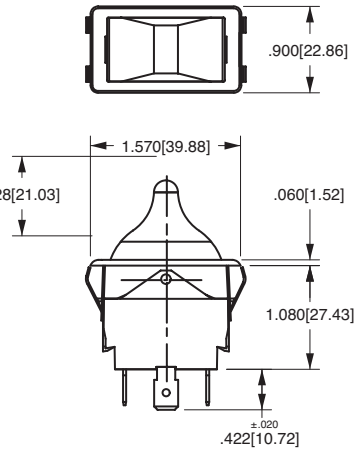
WITH.250 TAB
TERMINALS
AND FN BRACKET

6M, 6S
CURVED W/ONE LENS

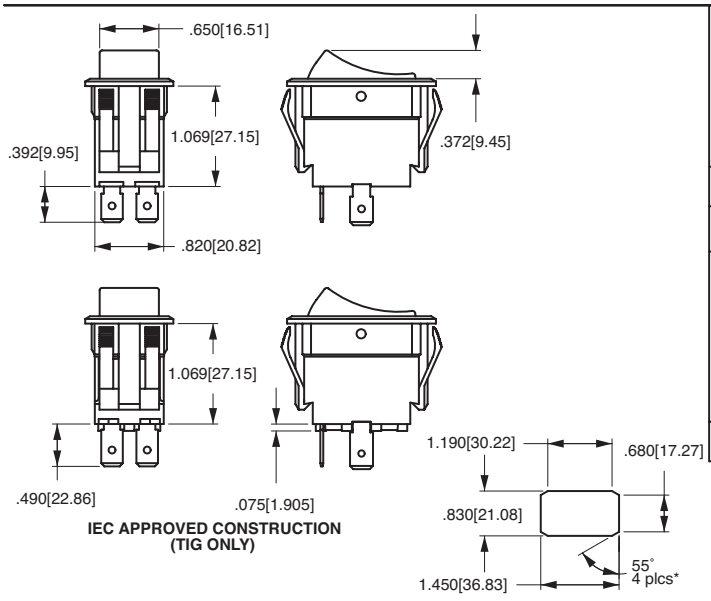


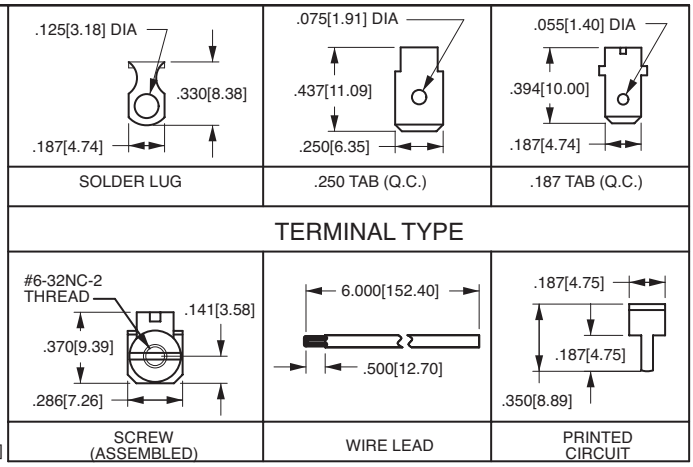
WITH SOLDER LUG
TERMINALS
AND NBL BRACKET

7S
TOGGLE-STYLE W/ONE LENS



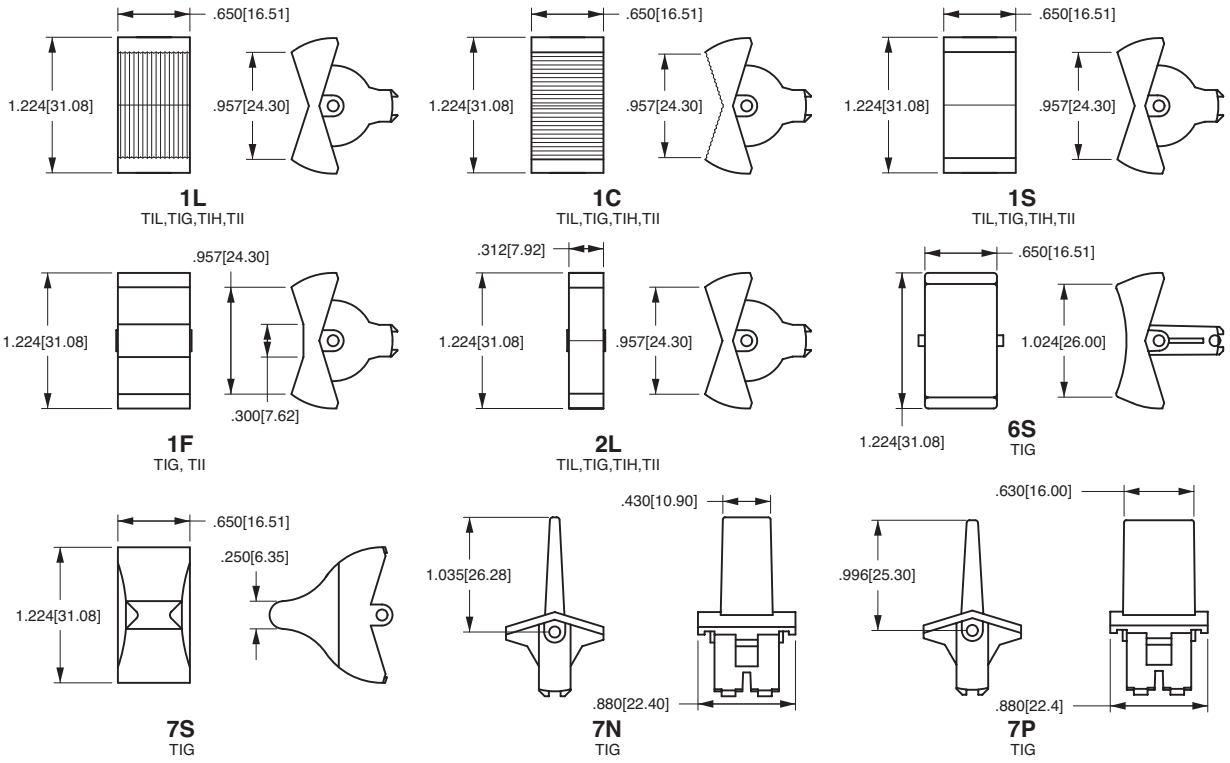
WITH.250 TAB
TERMINALS
AND FN BRACKET





MOUNTING HOLE
(Nylon Snap-in Brackets)
Panel Thickness:
.030 min. - .250 max.
Switch should be mounted at 90˚
for maximum water shedding
(45˚ to 90˚ acceptable)

* Angled corners are suggested for optimum fit. Standard rectangular cutout is acceptable.



SPECIAL CIRCUITS FOR TIPPETTE ROCKER SWITCHES

Circuit	Position 1	Position 2	Position 3
Progressive Two Circuit			
GG	BOTH CIRCUITS ON	ONE CIRCUIT ON	OFF
GG	BOTH CIRCUITS (ON)	ONE CIRCUIT ON	OFF
Single Pole Triple Throw			
GE	ON	ON	ON
Two Circuit			
GH	CIRCUIT 1 ON	BOTH CIRCUITS ON	CIRCUIT 2 ON
GP	CIRCUIT 2 ON	CIRCUIT 1 ON	OFF
Reversing Double Pole Double Throw			
GO	ON	OFF	ON
GX	ON	NONE	ON

( ) Indicates momentary function.

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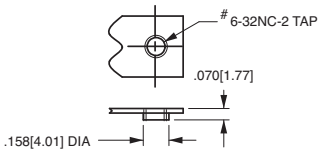
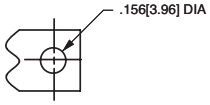
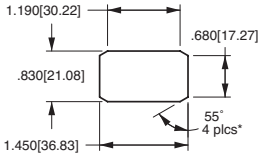
Dimensional Specifications: in. [mm]



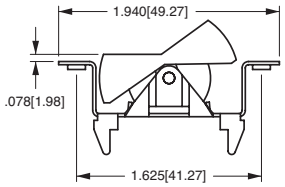
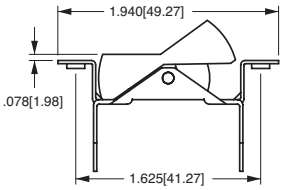
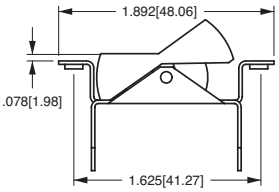
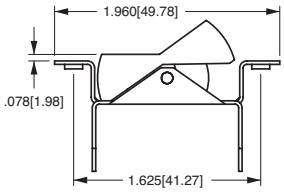
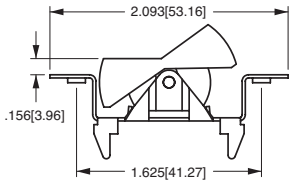
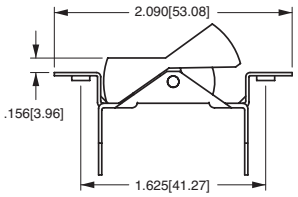
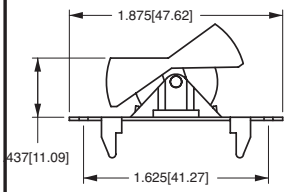
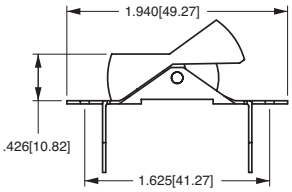
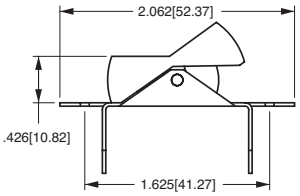
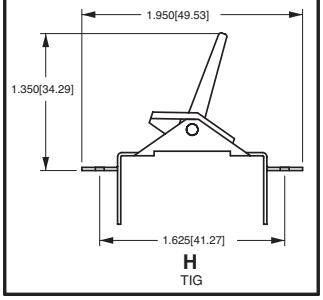
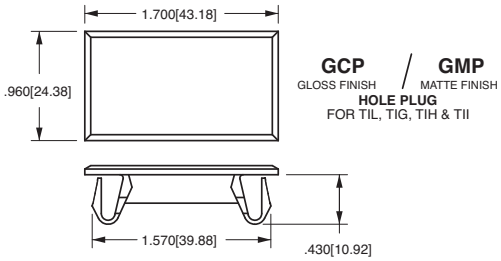
TAPPED HOLE
Standard with
A & B Brackets



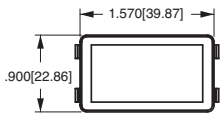
CLEARANCE HOLE
Standard with
C Bracket



MOUNTING HOLE
(Nylon Snap-in Brackets)
Panel Thickness:
.030 min. - .250 max.
* Angled corners are suggested for optimum fit. Standard rectangular cutout is acceptable.

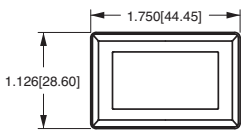
TIL	TIG	TII	TIH
			
A TIL	**A** TIG	**A** TII	**A** TIH
			
B TIL	**B** TII, TIG		
			
CX TIL	**C** TIG	**C** TIH, TII	
			
	H TIG	**GCP** GLOSS FINISH / **GMP** MATTE FINISH **HOLE PLUG** FOR TIL, TIG, TIH & TII	

NARROW



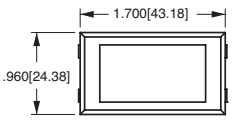
FN
TIL, TIG, TIH, TII
METAL, SNAP-IN

WIDE



FW
TIL, TIG, TIH, TII
METAL, SNAP-IN

MARINE / STD / WATERSHEDDING



MBL, NBL, WBL
TIG
BLACK NYLON, SNAP-IN

REV_SW_Tippette_0712

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