

Spec-Setter™ Safety Switches, Heavy Duty Type TH

30-1200 Amperes
240, 480 and 600 Volts ac,
600 Volts dc

Heavy Duty Safety Switches with 317 Stainless Steel Type NEMA 4/4X, Water & Dust-tight

- Superior corrosion resistance and high temperature strength
- Excellent resistance to reducing acids and similar media
- Excellent resistance to pitting corrosion due to chlorides
- Standard lead time 2 weeks

Max. Ampere Rating	Volts	Catalog Number	List Price, GO-131	Max. Ampere Rating	Volts	Catalog Number	List Price, GO-131
--------------------	-------	----------------	--------------------	--------------------	-------	----------------	--------------------

240/600 Volts—Fusible

30	600	TH2261SSDC3	\$2191.00	30	600	THN3361SS317	\$ 1932.00
30	240	TH3221SS317	1836.00	60	600	THN3362SS317	2296.00
30	600	TH3361SS317	2296.00	100	600	THN3363SS317	4686.00
60	600	TH3362SS317	2528.00	600	600	THN3366SS317	17231.00
100	600	TH3363SS317	5041.00				
200	600	TH3364SS317	7061.00				

600 Volts—Non-Fusible

Spec-Setter™ Safety Switches

Schematic Diagram	Max. Ampere Rating	Indoor, Type 1 Ⓢ		Outdoor, Type 3R Ⓢ		Water- and Dust-tight Types 4/4X Stainless Steel		Drip- and Dust-tight Type 5, 12 and JIC Without Knockouts		Horsepower Ratings					
		Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	ac			dc		
										NEC Std	Time Delay				
										480V 3-ph	600V 3-ph	480V 3-ph	600V 3-ph	125 Volts	250 Volts

600 Volts—Fusible

Two-pole, 600 Volts dc															
	30	TH2261DC	\$ 344.00	TH2261RDC	\$ 579.00	TH2261SSDC	\$ 1578.00	TH2261JDC	\$ 538.00	—	—	—	—	—	15
	60	TH2262DC	417.00	TH2262RDC	678.00	TH2262SSDC	1639.00	TH2262JDC	563.00	—	—	—	—	—	25
	100	TH2263DC	763.00	TH2263RDC	1058.00	TH2263SSDC	3473.00	TH2263JDC	930.00	—	—	—	—	—	25

Three-pole, 480, 480Y/277 ④ and 600 Volts ac—250 Volts dc

	30	TH3361	344.00	TH3361R	579.00	TH3361SS	1577.00	TH3361J	586.00	5	7½	15	20	—	5	—
	60	TH3362	417.00	TH3362R	678.00	TH3362SS	1737.00	TH3362J	602.00	15	15	30	50	—	10	—
	100	TH3363	763.00	TH3363R	1058.00	TH3363SS	3461.00	TH3363J	967.00	25	30	60	75	—	20	—
	200	TH3364	1103.00	TH3364R	1461.00	TH3364SS	4849.00	TH3364J	1505.00	50	60	125	150	—	40	—
	400	TH3365	2868.00	TH3365R	3414.00	TH3365SS	9542.00	TH3365J	3311.00	100	125	250	350	—	50	—
	600	TH3366	4825.00	TH3366R	6738.00	TH3366SS	13570.00	TH3366J	5582.00	150	200	400	500	—	50	—
	800 ③	TC72367	9661.00	TC72367R ③	11966.00	—	—	—	—	—	—	—	—	—	—	—
	1200 ③	TC72368	12688.00	TC72368R ③	15546.00	—	—	—	—	—	—	—	—	—	—	—

Four-pole, 480 and 600 Volts ac

	30	TH6661	2303.00	TH6661	2303.00	—	—	TH6661	2303.00	7½	10	20	25	—	5	—
	60	TH6662	2762.00	TH6662	2762.00	—	—	TH6662	2762.00	15	20	40	50	—	10	—
	100	TH6663	3358.00	TH6663	3358.00	—	—	TH6663	3358.00	25	30	50	50	—	20	—
	200	TH6664	7555.00	TH6664	7555.00	—	—	TH6664	7555.00	50	50	—	—	—	40	—

600 Volts—No Fuse

Two-pole, 600 Volts dc										240V	240V	480V	600V			
										1-ph	3-ph	3-ph	3-ph			
	30	THN2261DC	179.00	THN2261RDC	322.00	THN2261SSDC	1300.00	THN2261JDC	352.00	—	—	—	—	—	—	15
	60	THN2262DC	324.00	THN2262RDC	564.00	THN2262SSDC	1562.00	THN2262JDC	397.00	—	—	—	—	—	—	25
	100	THN2263DC	510.00	THN2263RDC	788.00	THN2263SSDC	3216.00	THN2263JDC	632.00	—	—	—	—	—	—	25

Three-pole, 480 and 600 volts ac—250 Volts dc or Two-pole with Switching Neutral

	30	THN3321 ⑥	171.00	—	—	—	—	—	—	3	10	—	—	3	5	—
	30	THN3361	179.00	THN3361R	322.00	THN3361SS	1326.00	THN3361J	412.00	3	10	20	30	3	5	—
	60	THN3362	324.00	THN3362R	564.00	THN3362SS	1577.00	THN3362J	533.00	10	20	50	60	5	10	—
	100	THN3363	510.00	THN3363R	788.00	THN3363SS	3217.00	THN3363J	758.00	20	40	75	100	—	20	—
	200	THN3364	775.00	THN3364R	957.00	THN3364SS	4393.00	THN3364J	1008.00	30	60	125	150	—	40	—
	400	THN3365	1736.00	THN3365R	2376.00	THN3365SS	8899.00	THN3365J	2497.00	—	125	250	350	—	50	—
	600	THN3366	3092.00	THN3366R	4755.00	THN3366SS	11946.00	THN3366J	4065.00	—	200	400	500	—	50	—
	800 ③	TC36367 ③	6302.00	—	—	—	—	—	—	—	—	—	—	—	—	—

Four-pole, 480 and 600 Volts ac ⑤ ③

	30	THN6661	2048.00	THN6661	2048.00	—	—	THN6661	2048.00	—	10	20	25	—	5	—
	60	THN6662	2372.00	THN6662	2372.00	—	—	THN6662	2372.00	—	20	40	50	—	10	—
	100	THN6663	2919.00	THN6663	2919.00	—	—	THN6663	2919.00	—	30	50	50	—	20	—
	200	THN6664	6564.00	THN6664	6564.00	—	—	THN6664	6564.00	—	50	—	—	—	40	—

① 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to Catalog Number (e.g., TH3365B). List Price adder \$44.00, GO-131. UL Listed.

② 30-200 amp devices have removable closing cap. Larger ampere devices

require field cut openings. Order hubs separately, see page 2-13.

③ Type TH electrical performance does not apply to Type TC switches. Class "L" fuses are ac only.

④ Order neutral kits from pages 2-10 and 2-11.

⑤ Not CSA Certified.

⑥ 250 volts ac or 250 volts dc only. Compact enclosure.

⑦ Use molded case switch in circuit breaker enclosure.

⑧ Use four poles of six-pole switch. Reference page 2-8 for additional information.

⑨ Not available with neutral.

References:

Accessories and Lug Sizes . . . Pages 2-10 thru 2-13
Descriptive Bulletin GEA-12144
Dimensions and Knockouts . . . Pages 2-14 thru 2-18
Replacement Parts Bulletin GEF-4452



Spec-Setter™ Safety Switches, Heavy Duty Type TH

30-1200 Amperes
240 Volts ac, 250 Volts dc Max.

Type TH Interrupting and Withstandability Ratings

Switch Rating (Amps)	Interrupting Rating rms Amps, 600 Volt ac 3-ph	Fuse Clearing I ² t (Amps ² x Seconds x 10 ³)
30	360	50
60	1200	200
100	1200	500
200	3,400	2,000
400	10,000	6,000
600	10,000	12,000

Cartridge Fuse, Type TH Switches

Designed for applications where safety, high performance and continuity of service are essential.

- UL Listed, (Enclosed Switches No. 98).
- CSA Certified.
- Meet Federal Specification WS-865C for heavy duty switches.
- Meet major automotive manufacturer's and JIC electrical specifications.

- Meet NEMA Enclosed Safety Switch Standard KS1-1990 for Type HD.
- Full cover interlocks.
- 60°C and 75°C conductor ratings.
- Quick-make, quick-break mechanisms.
- Suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.

UL Listed ratings for fusible switches when used with these fuses:

- Class H (10,000 rms amps, sym IC)
Standard on 30-600 amps.
- Class L (100,000 rms amps, sym IC)
Standard on 800-1200 amps.
- Class J (200,000 rms amps, sym IC)
See page 2-13 for field conversion details.
- Class R (200,000 rms amps, sym IC)
order appropriate Class R fusing kit from page 2-13.

240 Volts—Fusible

Schematic Diagram	Max. Ampere Rating	Indoor, Type 1®		Outdoor, Type 3R®		Water- and Dust-tight Types 4/4X Stainless Steel		Drip- and Dust-tight Type 5, 12 and JIC Without Knockouts		Horsepower Ratings			
		Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	Catalog Number	List Price, GO-131	240 Volts ac		dc	
										NEC Std	Time Delay	125 Volts	250 Volts
										1-ph	3-ph	1-ph	3-ph

Two-pole, 240 Volts ac—250 Volts dc

	30	TH3221	\$ 153.00	TH3221R	\$ 291.00	TH2221SS	\$ 1218.00	TH2221J	\$ 295.00	1½	3	3	7½	—	5
	60	TH3222	300.00	TH3222R	542.00	TH2222SS	1463.00	TH2222J	398.00	3	7½	10	15	5	10
	100	TH3223	467.00	TH3223R	702.00	TH2223SS	3309.00	TH3223J	678.00	7½	15	15	30	—	20
	200	TH3224	830.00	TH3224R	1006.00	TH3224SS	4538.00	TH3224J	1058.00	15	25	—	60	—	40
	400	TH3225	1948.00	TH3225R	2450.00	TH3225SS	9114.00	TH3225J	2623.00	—	50	—	125	—	50
	600	TH3226	3670.00	TH3226R	4590.00	TH3226SS	13008.00	TH3226J	4281.00	—	75	—	200	—	50
	800®	TC72267	6996.00	TC72267R®	8975.00	—	—	—	—	—	—	—	—	—	—
	1200®	TC72268	9614.00	TC72268R®	13127.00	—	—	—	—	—	—	—	—	—	—

Three-wire SN, 120/240 and 240 Volts ac

	30	TH3221	153.00	TH3221R	291.00	TH3221SS	1260.00	TH3221J	345.00	1½	3	3	7½	—	5
	60	TH3222	300.00	TH3222R	542.00	TH3222SS	1526.00	TH3222J	462.00	3	7½	10	15	5	10
	100	TH3223	467.00	TH3223R	702.00	TH3223SS	3309.00	TH3223J	678.00	7½	15	15	30	—	20
	200	TH3224	830.00	TH3224R	1006.00	TH3224SS	4538.00	TH3224J	1058.00	15	25	—	60	—	40
	400	TH3225	1948.00	TH3225R	2450.00	TH3225SS	9114.00	TH3225J	2623.00	—	50	—	125	—	50
	600	TH3226	3670.00	TH3226R	4590.00	TH3226SS	13008.00	TH3226J	4281.00	—	75	—	200	—	50
	800®	TC72267 plus TN167	6996.00®	TC72267R® plus TN167	8975.00®	—	—	—	—	—	—	—	—	—	—
	1200®	TC72268 plus TN168A	9614.00®	TC72268R® plus TN168A	13127.00®	—	—	—	—	—	—	—	—	—	—

Three-pole, 240 Volts ac

	30	TH4321	203.00	TH4321R	364.00	TH3321SS	1294.00	TH3321J	391.00	1½	3	3	7½	—	5
	60	TH4322	344.00	TH4322R	573.00	TH3322SS	1597.00	TH3322J	551.00	3	7½	10	15	5	10
	100	TH4323	542.00	TH4323R	821.00	TH3323SS	3380.00	TH4323J	881.00	7½	15	15	30	—	20
	200	TH4324	932.00	TH4324R	1130.00	TH4324SS	4733.00	TH4324J	1262.00	15	25	—	60	—	40
	400	TH4325	2157.00	TH4325R	2501.00	TH4325SS	9542.00	TH4325J	2896.00	—	50	—	125	—	50
	600	TH4326	3889.00	TH4326R	5235.00	TH4326SS	13570.00	TH4326J	4657.00	—	75	—	200	—	50
	800®	TC72367	9661.00	TC72367R®	11966.00	—	—	—	—	—	—	—	—	—	—
	1200®	TC72368	12688.00	TC72368R®	15546.00	—	—	—	—	—	—	—	—	—	—

Four-wire SN, 208/120 and 240 Volts ac

	30	TH4321	203.00	TH4321R	364.00	TH4321SS	1355.00	TH4321J	445.00	1½	3	3	7½	—	5
	60	TH4322	344.00	TH4322R	573.00	TH4322SS	1654.00	TH4322J	599.00	3	7½	10	15	5	10
	100	TH4323	542.00	TH4323R	821.00	TH4323SS	3380.00	TH4323J	881.00	7½	15	15	30	—	20
	200	TH4324	932.00	TH4324R	1130.00	TH4324SS	4733.00	TH4324J	1262.00	15	25	—	60	—	40
	400	TH4325	2391.00	TH4325R	2501.00	TH4325SS	9542.00	TH4325J	2896.00	—	50	—	125	—	50
	600	TH4326	4116.00	TH4326R plus TN165	5235.00®	TH4326SS	13570.00	TH4326J	4657.00	—	75	—	200	—	50
	800®	TC72367 plus TN167	9661.00®	TC72367R® plus TN166	11966.00®	—	—	—	—	—	—	—	—	—	—
	1200®	TC72368 plus TN168A	12688.00®	TC72368R® plus TN167	15546.00®	—	—	—	—	—	—	—	—	—	—

240 Volts—No Fuse or Four-pole, 240 Volts ac Use 600-volt switches on page 2-5.

① 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to Catalog Number (e.g., TH3224B). List Price add \$44.00, GO-131. UL Listed.

② 30-200 amp devices have removable closing cap. Larger ampere devices require field cut openings. Order hubs separately, see page 2-13.

③ Type TH electrical performance does not apply to Type TC switches. Class "L" fuses are ac only.
④ Not CSA Certified.
⑤ Order switch and neutral separately.

References:

Accessories and Lug Sizes . . . Pages 2-10 thru 2-13
Descriptive Bulletin . . . GEA-1214
Dimensions and Knockouts . . . Pages 2-14 thru 2-18
Replacement Parts Bulletin GEF-4452

Spec-Setter™ Safety Switches, Dimensions

TG and TH, Type 1 and 3R Enclosures

Type 1 Enclosures

Approximate Dimensions In inches

Switch Catalog Number	W	H	D	W2	KO Fig. No. See Pg. 2-16
-----------------------	---	---	---	----	--------------------------

TG — Figure 1

TG3221	6½	10½	3⅞	7	1
TG3222	8½	13½	4	9	15
TG3223	9½	21½	5	10	3
TG3224	13½	29½	5½	14	4
TG3225	22	49½	9	23	5
TG3226	23¼	50	9¼	23¾	6
TG3325	22	49½	9	23	7
TG3326	23¼	50	9¼	23¾	6
TG4321	6½	10½	3⅞	7	1
TG4322	8½	13½	4	9	15
TG4323	9½	21½	5	10	3
TG4324	13½	29½	5½	14	4
TG4325	22	49½	9	23	7
TG4326	23¼	50	9¼	23¾	6
TGN3321	6½	10½	3⅞	7	1
TGN3322	8½	13½	4	9	15
TGN3323	9½	21½	5	10	3
TGN3324	13½	29½	5½	14	4
TGN3325	22	49½	9	23	7
TGN3326	23¼	50	9¼	23¾	6

TH — Figure 2

TH3221	6½	10½	3⅞	7½	1
TH3222	9½	17½	5	10½	3
TH3223	9½	21½	5	10½	3
TH3224	13½	31½	5¼	14½	4
TH3225	23¼	50½	8½	24¼	6
TH3226	23¼	50½	8½	24¼	6
TH3325	23¼	50½	8½	24¼	6
TH3326	23¼	50½	8½	24¼	6
TH4321	6½	10½	3⅞	7½	1
TH4322	9½	17½	5	10½	3
TH4323	9½	21½	5	10½	3
TH4324	13½	31½	5¼	14½	4
TH4325	23¼	50½	8½	24¼	6
TH4326	23¼	50½	8½	24¼	6
TH2261DC	8½	12½	4	9½	15
TH2262DC	9½	21½	5	10½	3
TH2263DC	9½	22½	5	10½	14
TH3361	8½	12½	4	9½	15
TH3362	9½	21½	5	10½	3
TH3363	9½	22½	5	10½	14
TH3364	13½	31½	5¼	14½	4
TH3365	23¼	54	8½	24½	6
TH3366	23¼	54	8½	24½	6
THN2261DC	8½	10½	4	9¼	15
THN2262DC	9½	17½	5	10½	3
THN2263DC	9½	17½	5	10½	3
THN3321	6½	10½	3⅞	7½	1
THN3361	8½	10½	4	9¼	15
THN3362	9½	17½	5	10½	3
THN3363	9½	17½	5	10½	3
THN3364	13½	31½	5¼	14½	4
THN3365	23¼	42½	8½	24½	6
THN3366	23¼	42½	8½	24½	6

Type 3R Enclosures

Approximate Dimensions In inches

Switch Catalog Number	W	H	D	W2	KO Fig. No. See Pg. 2-16
-----------------------	---	---	---	----	--------------------------

TG — Figure 3

TG3221R	6⅞	9⅞	3⅞	7¼	8
TG3222R	8⅞	13¼	4	9¼	19
TG3223R	9⅞	21¼	5	10	11
TG3224R	14	29	5½	14¼	10
TG3225R	22¼	49½	9	22½	12
TG3226R	23⅞	50	9¼	23¾	13
TG3325R	22¼	49½	9	22½	12
TG3326R	23⅞	50	9¼	23¾	13
TG4321R	6⅞	9⅞	3⅞	7¼	8
TG4322R	8⅞	13¼	4	9¼	19
TG4323R	9⅞	21¼	5	10	10
TG4324R	14	29	5½	14¼	11
TGN3321R	6⅞	9⅞	3⅞	7¼	8
TGN3322R	8⅞	13¼	4	9¼	19
TGN3323R	9⅞	15¼	5	10	10
TGN3324R	14	29	5½	14¼	11

TH — Figure 4

TH3221R	6⅞	10½	3⅞	7½	8
TH3222R	9⅞	17½	5	10½	10
TH3223R	9⅞	22¼	5	10½	10
TH3224R	14	31½	5½	14½	11
TH3225R	23½	49½	8½	24¼	18
TH3226R	23½	53¼	8½	24¼	18
TH3325R	23½	49½	8½	24¼	18
TH3326R	23½	53¼	8½	24¼	18
TH4321R	6⅞	10½	3⅞	7½	8
TH4322R	9⅞	17½	5	10½	10
TH4323R	9⅞	22¼	5	10½	10
TH4324R	14	31½	5½	14½	11
TH2261RDC	8⅞	13¼	4	9½	19
TH2262RDC	9⅞	22¼	5	10½	10
TH2263RDC	9⅞	22¼	5	10½	10
TH3361R	8⅞	13¼	4	9½	19
TH3362R	9⅞	22¼	5	10½	10
TH3363R	9⅞	22¼	5	10½	10
TH3364R	14	31½	5½	14½	11
TH3365R	23½	53¼	8½	24¼	18
TH3366R	23½	53¼	8½	24¼	18
THN2261RDC	8⅞	13¼	4	9½	19
THN2262RDC	9⅞	17½	5	10½	10
THN2263RDC	9⅞	17½	5	10½	10
THN3361R	8⅞	13¼	4	9½	19
THN3362R	9⅞	17½	5	10½	10
THN3363R	9⅞	17½	5	10½	10
THN3364R	14	31½	5½	14½	11
THN3365R	23½	49½	8½	24¼	18
THN3366R	23½	53¼	8½	24¼	18

Dimension Figures

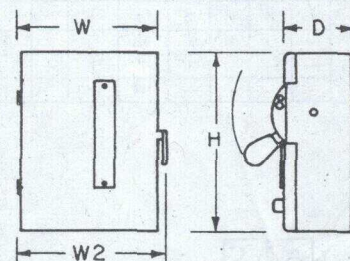


Fig. 1

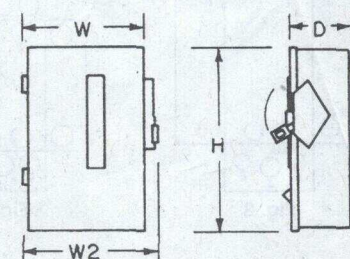


Fig. 2

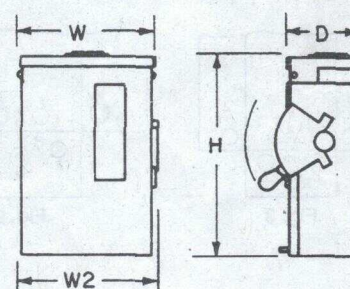


Fig. 3

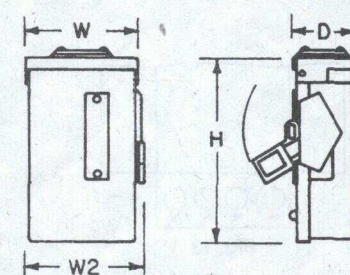


Fig. 4